SUBJECT INDEX

Abutments

Use of Vanes for Control of Scour at Vertical Wall Abutments, P. A. Johnson, R. D. Hey and M. Tessier, HY Sept. 01, p772-778.

Advection

Discrete Particle Distribution Model for Advection-Diffusion Transport, Manuel Costa and João S. Ferreira, HY July 00, p525-532.

Aeration

Characteristics of Skimming Flow over Stepped Spillways, M. R. Chamani and N. Rajaratnam, HY Apr. 99, p361-368.

Field Experiments to Determine Gas Transfer at Gated Sills, A. L. Urban, S. L. Hettiarachchi, K. F. Miller, G. P. Kincaid and J. S. Gulliver, HY Oct. 01, p848-859.

Aggradation

Aggradation at Bridges, Peggy A. Johnson, Richard D. Hey, Michael W. Horst and Amanda J. Hess, HY Feb. 01, p154-157.

Algorithms

Accurate Two-Dimensional Simulation of Advective-Diffusive-Reactive Transport, Dragoslav L. Stefanovic and Heinz G. Stefan, HY Sept. 01, p728-737.

DORA Algorithm for Network Flow Models with Improved Stability and Convergence Properties, L. Noto and T. Tucciarelli, HY May 01, p380-391.

Unsaturated-Flow Simulation with Green Element Models, A. E. Taigbenu, HY Apr. 01, p307-312.

Use of GA to Determine Areas of Accretion to Semi-confined Aquifer, Randall W. Gentry, P.E., Charles V. Camp and Jerry L. Anderson, P.E., HY Sept. 01, p738-746.

Alluvial channels

Bed-Form Geometry in Sand-Bed Flows, Fazle Karim, HY Dec. 99, p1253-1261.

Equilibrium Near-Bed Concentration of Suspended Sediment, Zhixian Cao, HY Dec. 99, p1270-1278.

Alluvial fans

Development and Geometric Similarity of Alluvial Deltas, Chjeng-Lun Shieh, Chih-Ming Tseng and Shaohua Marko Hsu, HY Jan. 01, p17-29.

Estimating the Depth of Deposition (Erosion) at Slope Transitions on Alluvial Fans, Richard H. French, Julianne J. Miller and Steve Curtis, HY Sept. 01, p780-782.

Alluvial streams

Movable Bed Roughness in Alluvial Rivers, Weiming Wu and Sam S. Y. Wang, HY Dec. 99, p1309-1312.

Aquifers

Confined Aquifer Parameters from Temporal Derivative of Drawdowns, Sushil K. Singh, HY June 01, p466-470.

Identifying Impervious Boundary and Aquifer Parameters from Pump-Test Data, Sushil K. Singh, HY Apr. 01, p280-285.

Modification of Canal Flow due to Stream-Aquifer Interaction, A. M. Wasantha Lal, HY July 01, p567-576.

Multilayered Aquifer Systems: Fundamentals and Applications, by Alexander H. D. Cheng, Randall W. Gentry, HY May 01, p435-436.

Use of GA to Determine Areas of Accretion to Semi-confined Aquifer, Randall W. Gentry, P.E., Charles V. Camp and Jerry L. Anderson, P.E., HY Sept. 01, p738-746.

Armor units

Suction Removal of Sediment from between Armor Blocks, B. Mutlu Sumer, Sevket Cokgor and Jørgen Fredsøe, HY Apr. 01, p293-306.

ASCE Awards & Prizes

Awards and Recognitions, Robert Ettema, HY June 01, p437.

Forum: Karl Emil Hilgard: Swiss Hydraulician and Sponsor of ASCE Paper Award, Willi H. Hager, HY Feb. 01, p91-92.

Submerged Hydraulic Jumps below Abrupt Expansions, Iwao Ohtsu, Youichi Yasuda and Motoyasu Ishikawa, HY May 99, p492-499.

ASCE Board of Direction

Forum: Karl Emil Hilgard: Swiss Hydraulician and Sponsor of ASCE Paper Award, Willi H. Hager, HY Feb. 01, p91-92.

ASCE Committees

Awards and Recognitions, Robert Ettema, HY June 01, p437.

Editorial, Robert Ettema, HY May 01, p333-334.

Editorial: Further Introduction of Associate Editors, Robert Ettema, HY Nov. 01, p893-894.

New Task Committee on Advanced Environmental-Hydraulics Modeling, Fotis Sotiropoulos and C. Y. Wei, HY Jan. 01, p3-4.

Teaching Hydraulic Design, John Finnie, HY Dec. 01, p983.

ASCE Institutes

Editorial: Further Introduction of Associate Editors, Robert Ettema, HY Nov. 01, p893-894.

Editorial: Review/Tutorial Papers, Robert Ettema, HY Oct. 01, p789-791.

ASCE Publications

Awards and Recognitions, Robert Ettema, HY June 01, p437.

Editorial, Robert Ettema, HY Jan. 01, p1.

Editorial, Robert Ettema, HY May 01, p333-334.

Editorial: Case-Study Papers; Three Veterans (Bruce Larock, Bruce Melville and Anand Prakash), Robert Ettema, HY July 01, p529-530.

Editorial: Further Introduction of Associate Editors, Robert Ettema, HY Nov. 01, p893-894.

Editorial: Review/Tutorial Papers, Robert Ettema, HY Oct. 01, p789-791.

Forum: Alternate-Depth Equation Revived, Subhash C. Jain, HY Sept. 01, p707.

Forum: Karl Emil Hilgard: Swiss Hydraulician and Sponsor of ASCE Paper Award, Willi H. Hager, HY Feb. 01, p91-92.

The Hydraulics of Open Channel Flow: An Introduction, by Hubert Chanson, Larry J. Webber, HY Mar. 01, p246-247.

Assessments

Calibration Assessment and Data Collection for Water Distribution Networks, K. E. Lansey, W. El-Shorbagy, I. Ahmed, J. Araujo and C. T. Haan, HY Apr. 01, p270-279.

Asymmetry

Role of Bed Discordance at Asymmetrical River Confluences, K. F. Bradbrook, S. N. Lane, K. S. Richards, P. M. Biron and A. G. Roy, HY May 01, p351-368.

Australia

Teaching Hydraulic Design in an Australian Undergraduate Civil Engineering Curriculum, H. Chanson, HY Dec. 01, p1002-1008.

Awards

Editorial, Robert Ettema, HY May 01, p333-334.

Bank erosion

Desktop Method for Estimating Vessel-Induced Sediment Suspension, Trimbak M. Parchure, William H. McAnally, Jr. and Allen M. Teeter, HY July 01, p577-587.

Numerical Analysis of River Channel Processes with Bank Erosion, N. Nagata, T. Hosoda and Y. Muramoto, HY Apr. 00, p243-252.

Base flow

Stability Analysis of Velocity Profiles in Water-Hammer Flows, M. S. Ghidaoui and A. A. Kolyshkin, HY June 01, p499-512.

Bays

Case Study: Analysis and Forecasting of Salinity in Apalachicola Bay, Florida, Using Box-Jenkins ARIMA Models, Hongbing Sun and Manfred Koch, HY Sept. 01, p718-727.

Bed load

Development and Geometric Similarity of Alluvial Deltas, Chjeng-Lun Shieh, Chih-Ming Tseng and Shaohua Marko Hsu, HY Jan. 01, p17-29.

Bed material

Accuracy of Cross-Channel Sampled Sediment Transport in Large Sand-Gravel-Bed Rivers, Maarten G. Kleinhans and Wilfried B. M. Ten Brinke, HY Apr. 01, p258-269.

Simulation of Scour Process in Plunging Pool of Loose Bed-Material, Yafei Jia, Tadanori Kitamura and Sam S. Y. Wang, HY Mar. 01, p219-229.

Bed movements

Movable Bed Roughness in Alluvial Rivers, Weiming Wu and Sam S. Y. Wang, HY Dec. 99, p1309-1312.

Bed roughness

Monitoring River Channel and Flume Surfaces with Digital Photogrammetry, S. N. Lane, J. H. Chandler and K. Porfiri, HY Oct. 01, p871-877.

Movable Bed Roughness in Alluvial Rivers, Weiming Wu and Sam S. Y. Wang, HY Dec. 99, p1309-1312.

Roughness Characteristics of New Zealand Rivers by D. M. Hicks and P. D. Mason, Jonathan M. Nelson, HY June 01, p526-527.

Spatially Averaged Open-Channel Flow over Rough Bed, Vladimir Nikora, Derek Goring, Ian McEwan and George Griffiths, HY Feb. 01, p123-133.

Turbulence Intensities of Shallow Rain-Impacted Flow over Rough Bed, Jau-Yau Lu, Jen-Yan Chen, Jian-Hao Hong, Tai-Fang Lu and Chia-Sheng Liu, HY Oct. 01, p881-886.

Bedforms

Bed-Form Geometry in Sand-Bed Flows, Fazle Karim, HY Dec. 99, p1253-1261.

Bibliographies

Bibliography for Teaching Hydraulic Design, John Finnie, Kevin Nielsen, Walt Heyder and Rollin Hotchkiss, HY Dec. 01, p1052-1064.

Bifurcations

3D Numerical Simulation of Deposition Patterns due to Sand Disposal in Flowing Water, C. W. Li and F. X. Ma, HY Mar. 01, p209-218.

Blocks

Suction Removal of Sediment from between Armor Blocks, B. Mutlu Sumer, Sevket Cokgor and Jørgen Fredsøe, HY Apr. 01, p293-306.

Boundaries

Identifying Impervious Boundary and Aquifer Parameters from Pump-Test Data, Sushil K. Singh, HY Apr. 01, p280-285.

Boundary conditions

Aspects of Inlet Boundary Prescription for a Turbulent Flow Field, C. S. P. Ojha, S. Mandal and P. Bhargava, HY Aug. 01, p694-700.

Boundary element method

Unsaturated-Flow Simulation with Green Element Models, A. E. Taigbenu, HY Apr. 01, p307-312.

Boundary layer

Review of k—ϵ Model to Analyze Oscillatory Boundary Layers, Ahmad Sana and Hitoshi Tanaka, HY Sept. 00, p701-710.

Bridge failure

ASCE Compendium of Stream Stability and Bridge Scour Papers, Peter F. Lagaasse and Everett V. Richardson, HY July 01, p531-533.

Bridge Hydraulics by Les Hamill, J. Sterling Jones, HY July 01, p632-633.

Bridge inspection

Rapid Assessment of Channel Stability in Vicinity of Road Crossing, Peggy A. Johnson, Gary L. Gleason and Richard D. Hey, HY June 99, p645-651.

Bridges

Aggradation at Bridges, Peggy A. Johnson, Richard D. Hey, Michael W. Horst and Amanda J. Hess, HY Feb. 01, p154-157.

New Zealand Bridge Scour, Stephen E. Coleman and Bruce W. Melville, HY July 01, p535-546.

Bridges, piers

Riprap Protection at Bridge Piers, Christine S. Lauchlan and Bruce W. Melville, HY May 01, p412-418.

Calibration

Calibration Assessment and Data Collection for Water Distribution Networks, K. E. Lansey, W. El-Shorbagy, I. Ahmed, J. Araujo and C. T. Haan, HY Apr. 01, p270-279.

California
Forum: Vito Vanoni (1904-1999): A Leader in Sedimentation Engineering, Norman H. Brooks, HY Mar. 01, p175-179.
Modeling Tidal Transport of Urban Runoff in Channels Using the Finite-Volume Method, Brett F. Sanders, Carrie L. Green, Allyson K. Chu and Stanley B. Grant, HY Oct. 01, p795-804.
Sediment Transport in Proposed Geomorphic Channel for Napa River, V. S. Neary, S. A. Wright and P. Bereciartua, HY Nov. 01, p901-910.

Canals
Modification of Canal Flow due to Stream-Aquifer Interaction, A. M. Wasantha Lal, HY July 01, p567-576.

Case reports
Case Study: Lapino Powerplant Penstock Failure, Adam Adamkowski, HY July 01, p547-555.
Editorial: Case-Study Papers: Three Veterans (Bruce Larock, Bruce Melville and Anand Prakash), Robert Ettema, HY July 01, p529-530.
New Zealand Bridge Scour, Stephen E. Coleman and Bruce W. Melville, HY July 01, p535-546.

Cavitation
Hydraulic Characteristics of Multistage Orifice Tunnels, Q. Y. Zhang and B. Q. Chai, HY Aug. 01, p663-668.

Cavitation corrosion
Cavitation Prevention with Roughened Surface, Meng-Xi Nie, HY Oct. 01, p878-880.

CD-ROM
Editorial, Robert Ettema, HY Jan. 01, p1.

Channel beds
Choke-Free Flow in Ovoidal Sewers with Increase in Bed Elevations, K. Babaeyan-Koopaei, HY Feb. 01, p149-153.
Numerical Analysis of River Channel Processes with Bank Erosion, N. Nagata, T. Hosoda and Y. Muramoto, HY Apr. 00, p243-252.
Rapid Assessment of Channel Stability in Vicinity of Road Crossing, Peggy A. Johnson, Gary L. Gleason and Richard D. Hey, HY June 99, p645-651.

Channel bends
Bend-Flow Simulation Using 2D Depth-Averaged Model, H. C. Lien, T. Y. Hsieh, J. C. Yang and K. C. Yeh, HY Oct. 99, p1097-1108.
Mean Flow and Turbulence in Open-Channel Bend, Koen Blanckaert and Walter H. Graf, HY Oct. 01, p835-847.

Channel design
Choke-Free Flow in Ovoidal Sewers with Increase in Bed Elevations, K. Babaeyan-Koopaei, HY Feb. 01, p149-153.
Efficient, Robust Design Tool for Open-Channel Flow, Clarence O. E. Burg, David H. Huddleston and R. C. Berger, HY Jan. 01, p62-70.
Grass-Lined Channels, A. Osman Akan and Willi Hager, HY Mar. 01, p236-237.
Micro-Sale Loose-Bed Hydraulic Models, Roger A. Gaines and Stephen T. Maynord, HY May 01, p335-338.

Channel erosion
Mean Flow and Turbulence in Open-Channel Bend, Koen Blanckaert and Walter H. Graf, HY Oct. 01, p835-847.

Channel flow
Dam-Break Waves in Power-Law Channel Section, Barbara Zanuttigh and Alberto Lamberti, HY Apr. 01, p322-326.
Integrating Equation of Gradually Varied Flow, Ramappa G. Patil, Vasant N. Diwanji and Rajnikant M. Khatsuria, HY July 01, p624-625.
Large-Eddy Simulation of Sediment Transport: Currents over Ripples, Emily A. Zedler and Robert L. Street, HY June 01, p444-452.
Modification of Canal Flow due to Stream-Aquifer Interaction, A. M. Wasantha Lal, HY July 01, p567-576.

Channel morphology
Aggradation at Bridges, Peggy A. Johnson, Richard D. Hey, Michael W. Horst and Amanda J. Hess, HY Feb. 01, p154-157.

Channels, waterways
Advances in Calculation Methods for Supercritical Flow in Spillway Channels, D. M. Causon, C. G. Mingham and D. M. Ingram, HY Oct. 99, p1039-1050.
Modeling Tidal Transport of Urban Runoff in Channels Using the Finite-Volume Method, Brett F. Sanders, Carrie L. Green, Allyson K. Chu and Stanley B. Grant, HY Oct. 01, p795-804.
Neural Networks as Routine for Error Updating of Numerical Models, Vladan Babovic, Rafael Cañizares, H. René Jensen and Anders Klinting, HY Mar. 01, p181-193.
Numerical Analysis of River Channel Processes with Bank Erosion, N. Nagata, T. Hosoda and Y. Muramoto, HY Apr. 00, p243-252.
Rapid Assessment of Channel Stability in Vicinity of Road Crossing, Peggy A. Johnson, Gary L. Gleason and Richard D. Hey, HY June 99, p645-651.
Roughness Characteristics of New Zealand Rivers by D. M. Hicks and P. D. Mason, Jonathan M. Nelson, HY June 01, p526-527.
Submerged Hydraulic Jumps below Abrupt Expansions, Iwao Ohtsu, Youichi Yasuda and Motoyasu Ishikawa, HY May 99, p492-499.

Chlorine
Unsteady-State Inverse Chlorine Modeling in Pipe Networks, A. S. Al-Omari and M. H. Chaudhry, HY Aug. 01, p669-677.

Civil engineering
Civil–Engineering Education: Alternative Paths, James A. Liggett and Robert Ettema, HY Dec. 01, p1041-1051.

Clays
Flume Tests for Scour in Clay at Circular Piers, C. K. Ting, Jean-Louis Briaud, H. C. Chen, Rao Gudavalli, Suresh Perugu and Gengsheng Wei, HY Nov. 01, p969-978.
Mudflow Rheology and Dynamics, by Philippe Coussot, Tim J. Ward, HY Apr. 01, p331-332.

Closed conduits
Gauckler and the GMS Formula, Willi H. Hager, HY Aug. 01, p635-638.

Coanda effect
Hydraulic Performance of Coanda-Effect Screens, Tony L. Wahl, P.E., HY June 01, p480-488.

Coastal structures
Suction Removal of Sediment from between Armor Blocks, B. Mutlu Sumer, Sevket Cokgor and Jørgen Fredsøe, HY Apr. 01, p293-306.

Coefficients
Longitudinal Dispersion Coefficient in Straight Rivers, Zhi-Qiang Deng, Vijay P. Singh and Lars Bengtsson, HY Nov. 01, p919-927.

Cohesive sediment
In Situ Size Distribution of Suspended Sediment Particles in the Fraser River, Bommanna G. Krishnappan, HY Aug. 00, p561-569.

Cohesive soils
Scour of Cohesive Soil by Submerged Circular Turbulent Impinging Jets, K. A. Mazurek, N. Rajaratnam and D. C. Sego, HY July 01, p598-606.

Columns
Practical Method to Prevent Liquid-Column Separation, Kai-lin Yang, HY July 01, p620-623.

Computation
Advances in Calculation Methods for Supercritical Flow in Spillway Channels, D. M. Causon, C. G. Mingham and D. M. Ingram, HY Oct. 99, p1039-1050.
Computations of Curved Free Surface Water Flow on Spiral Concentrators, B. W. Matthews, C. A. J. Fletcher, A. C. Partridge and S. Vasquez, HY Nov. 99, p1126-1139.
Confined Aquifer Parameters from Temporal Derivative of Drawdowns, Sushil K. Singh, HY June 01, p466-470.
DORA Algorithm for Network Flow Models with Improved Stability and Convergence Properties, L. Noto and T. Tucciarelli, HY May 01, p380-391.
New Task Committee on Advanced Environmental-Hydraulics Modeling, Fotis Sotiropoulos and C. Y. Wei, HY Jan. 01, p3-4.
Unsaturated-Flow Simulation with Green Element Models, A. E. Taigbenu, HY Apr. 01, p307-312.

Computer applications
Desktop Method for Estimating Vessel-Induced Sediment Suspension, Trimbak M. Parchure, William H. McAnally, Jr. and Allen M. Teeter, HY July 01, p577-587.

Computer models
Impact of Turbidity Currents on Reservoir Sedimentation, Giovanni De Cesare, Anton Schleiss and Felix Hermann, HY Jan. 01, p6-16.
New Task Committee on Advanced Environmental-Hydraulics Modeling, Fotis Sotiropoulos and C. Y. Wei, HY Jan. 01, p3-4.
Open-Channel Flow by Subhash C. Jain, Eric M. Valentine, HY Sept. 01, p788.

Concentrators
Computations of Curved Free Surface Water Flow on Spiral Concentrators, B. W. Matthews, C. A. J. Fletcher, A. C. Partridge and S. Vasquez, HY Nov. 99, p1126-1139.

Contaminants
Unsteady-State Inverse Chlorine Modeling in Pipe Networks, A. S. Al-Omari and M. H. Chaudhry, HY Aug. 01, p669-677.

Continuing education
Hydraulic Engineering Education: Evolving to Meet Needs, Rollin H. Hotchkiss, Michael E. Barber and A. N. Papanicolaou, HY Dec. 01, p1036-1040.

Contraction
Choked Flows through Short Contractions, Baosheng Wu and Albert Molinas, HY Aug. 01, p657-662.

Critical flow
Choked Flows through Short Contractions, Baosheng Wu and Albert Molinas, HY Aug. 01, p657-662.
Choke-Free Flow in Ovoidal Sewers with Increase in Bed Elevations, K. Babaeyan-Koopaei, HY Feb. 01, p149-153.
Critical Flow Velocity in Slurry Transporting Horizontal Pipelines, Mehmet Ali Kökpinar and Mustafa Göğüs, HY Sept. 01, p763-771.

Cross sections
Dam-Break Waves in Power-Law Channel Section, Barbara Zanuttigh and Alberto Lamberti, HY Apr. 01, p322-326.
Evaluation of Numerical Models of Flood and Tide Propagation in Channels, Rodney J. Sobey, HY Oct. 01, p805-824.

Crossflow
Experimental Simulation of a Vertical Round Jet Issuing into an Unsteady Cross-Flow, K. M. Lam and L. P. Xia, HY May 01, p369-379.
Experimental Study of 3D Pump-Intake Flows with and without Cross Flow, Matahel Ansar and Tatsuaki Nakato, HY Oct. 01, p825-834.
Performance of Tee Diffusers in Shallow Water with Crossflow, Il Won Seo, Hong Sik Kim, Daeyoung Yu and Dong Soo Kim, HY Jan. 01, p53-61.

Currents
Neural Networks as Routine for Error Updating of Numerical Models, Vladan Babovic, Rafael Cañizares, H. René Jensen and Anders Klinting, HY Mar. 01, p181-193.
Scour around Pile in Combined Waves and Current, B. Mutlu Sumer and Jørgen Fredsøe, HY May 01, p403-411.

Curricula
Bibliography for Teaching Hydraulic Design, John Finnie, Kevin Nielsen, Walt Heyder and Rollin Hotchkiss, HY Dec. 01, p1052-1064.
Hydraulic Design Example—Canal and Pipeline Inlet, John Finnie, HY Dec. 01, p1028-1035.
Hydraulic Engineering Education: Evolving to Meet Needs, Rollin H. Hotchkiss, Michael E. Barber and A. N. Papanicolaou, HY Dec. 01, p1036-1040.
Real–World Projects Reinforce Fundamentals in the Classroom, Blake P. Tullis and J. Paul Tullis, HY Dec. 01, p992-995.
Teaching Hydraulic Design in an Australian Undergraduate Civil Engineering Curriculum, H. Chanson, HY Dec. 01, p1002-1008.
Teaching of Hydraulic Design at University of Newcastle upon Tyne, P. Novak and E. M. Valentine, HY Dec. 01, p1009-1012.
What Do Students Need in Hydraulic Design Projects? Peter T. Weiss and John S. Gulliver, HY Dec. 01, p984-991.

Curvature
Simple Curvilinear Method for Numerical Models of Open Channels, Ben R. Hodges and Jorg Imberger, HY Nov. 01, p949-958.

Curve fitting
Development of Integrated Sediment Rating Curves Using ANNs, Sharad Kumar Jain, HY Jan. 01, p30-37.

Dam design
Rational Criterion for Designing Opening of Slit-Check Dam, Aronne Armanini and Michele Larcher, HY Feb. 01, p94-104.

Dam failure
Catastrophic Collapse of Water Supply Reservoirs in Urban Areas, Christopher Zoppou and Stephen Roberts, HY July 99, p686-695.

Dam-Break Waves in Power-Law Channel Section, Barbara Zanuttigh and Alberto Lamberti, HY Apr. 01, p322-326.

Dams
Flow over Ogee Spillway: Physical and Numerical Model Case Study, Bruce M. Savage and Michael C. Johnson, HY Aug. 01, p640-649.

Nien Chien: His Life and Recent Book *Mechanics of Sediment Transport*, Hsieh Wen Shen, HY Nov. 01, p895-899.

Data collection
Calibration Assessment and Data Collection for Water Distribution Networks, K. E. Lansey, W. El-Shorbagy, I. Ahmed, J. Araujo and C. T. Haan, HY Apr. 01, p270-279.

Debris
1D Numerical Model of Muddy Subaqueous and Subaerial Debris Flows, Jasim Imran, Gary Parker, Jacques Locat and Homa Lee, HY Nov. 01, p959-968.

Debris- and Ice-Skimming Booms at Riverside Diversions, Owen Kubit and Robert Ettema, HY June 01, p489-498.

Modeling of Mud/Debris Unsteady Flows, Ming Jin and D. L. Fread, HY Aug. 99, p827-834.

Deformation
Numerical Analysis of River Channel Processes with Bank Erosion, N. Nagata, T. Hosoda and Y. Muramoto, HY Apr. 00, p243-252.

Deltas
Development and Geometric Similarity of Alluvial Deltas, Chjeng-Lun Shieh, Chih-Ming Tseng and Shaohua Marko Hsu, HY Jan. 01, p17-29.

Denmark
Neural Networks as Routine for Error Updating of Numerical Models, Vladan Babovic, Rafael Cañizares, H. René Jensen and Anders Klinting, HY Mar. 01, p181-193.

Deposition
3D Numerical Simulation of Deposition Patterns due to Sand Disposal in Flowing Water, C. W. Li and F. X. Ma, HY Mar. 01, p209-218.

Diffusion
Discrete Particle Distribution Model for Advection-Diffusion Transport, Manuel Costa and João S. Ferreira, HY July 00, p525-532.

Digital techniques
Monitoring River Channel and Flume Surfaces with Digital Photogrammetry, S. N. Lane, J. H. Chandler and K. Porfiri, HY Oct. 01, p871-877.

Dilution
Mixing in Stratified Jets, Philip J. W. Roberts, Karen Maile and Greg Daviero, HY Mar. 01, p194-200.

Modeling Mamala Bay Outfall Plumes. I: Near Field, Philip J. W. Roberts, HY June 99, p564-573.

Modeling Mamala Bay Outfall Plumes. II: Far Field, Philip J. W. Roberts, HY June 99, p574-583.

Performance of Tee Diffusers in Shallow Water with Crossflow, Il Won Seo, Hong Sik Kim, Daeyoung Yu and Dong Soo Kim, HY Jan. 01, p53-61.

Discharge coefficients
Choked Flows through Short Contractions, Baosheng Wu and Albert Molinas, HY Aug. 01, p657-662.

Discharge measurement
Leak Detection in Pipes by Frequency Response Method, Witness Mpesha, Sarah L. Gassman and M. Hanif Chaudhry, HY Feb. 01, p134-147.

Dispersion
Bend-Flow Simulation Using 2D Depth-Averaged Model, H. C. Lien, T. Y. Hsieh, J. C. Yang and K. C. Yeh, HY Oct. 99, p1097-1108.

Modeling Mamala Bay Outfall Plumes. I: Near Field, Philip J. W. Roberts, HY June 99, p564-573.

Modeling Mamala Bay Outfall Plumes. II: Far Field, Philip J. W. Roberts, HY June 99, p574-583.

Moment-Based Calculation of Parameters for the Storage Zone Model for River Dispersion, Il Won Seo and Tae Sung Cheong, HY June 01, p453-465.

Dissolved solids
Exchange Processes between a River and Its Groyne Fields: Model Experiments, W. S. J. Uijttewaal, D. Lehmann and A. van Mazijk, HY Nov. 01, p928-936.

Diversion
Debris- and Ice-Skimming Booms at Riverside Diversions, Owen Kubit and Robert Ettema, HY June 01, p489-498.

Drag coefficient
Variation of Roughness Coefficients for Unsubmerged and Submerged Vegetation, Fu-Chun Wu, Hsieh Wen Shen and Yi-Ju Chou, HY Sept. 99, p934-942.

Drainage systems
DORA Algorithm for Network Flow Models with Improved Stability and Convergence Properties, L. Noto and T. Tucciarelli, HY May 01, p380-391.

Drawdown
Confined Aquifer Parameters from Temporal Derivative of Drawdowns, Sushil K. Singh, HY June 01, p466-470.

Dredging
Aggradation at Bridges, Peggy A. Johnson, Richard D. Hey, Michael W. Horst and Amanda J. Hess, HY Feb. 01, p154-157.

Dynamic models
Modeling of Mud/Debris Unsteady Flows, Ming Jin and D. L. Fread, HY Aug. 99, p827-834.

Effluents
Mixing in Stratified Jets, Philip J. W. Roberts, Karen Maile and Greg Daviero, HY Mar. 01, p194-200.

Elevation
Choke-Free Flow in Ovoidal Sewers with Increase in Bed Elevations, K. Babaeyan-Koopaei, HY Feb. 01, p149-153.

Energy conservation
Rational Criterion for Designing Opening of Slit-Check Dam, Aronne Armanini and Michele Larcher, HY Feb. 01, p94-104.

Energy dissipaters
Submerged Hydraulic Jumps below Abrupt Expansions, Iwao Ohtsu, Youichi Yasuda and Motoyasu Ishikawa, HY May 99, p492-499.

Energy dissipation
Extended Thermodynamics Derivation of Energy Dissipation in Unsteady Pipe Flow, David H. Axworthy, Mohamed S. Ghidaoui and Duncan A. McInnis, HY Apr. 00, p276-287.

Hydraulic Characteristics of Multistage Orifice Tunnels, Q. Y. Zhang and B. Q. Chai, HY Aug. 01, p663-668.

Unsteady Friction in Rough Pipes, Walter F. Silva-Araya and M. Hanif Chaudhry, HY July 01, p607-618.

Engineering education
Bridge Hydraulics by Les Hamill, J. Sterling Jones, HY July 01, p632-633.

Civil–Engineering Education: Alternative Paths, James A. Liggett and Robert Ettema, HY Dec. 01, p1041-1051.

Flow over a "Killer" Weir Design Project, Rollin H. Hotchkiss, HY Dec. 01, p1022-1027.

Hydraulic Design Example—Canal and Pipeline Inlet, John Finnie, HY Dec. 01, p1028-1035.

Hydraulic Engineering Education: Evolving to Meet Needs, Rollin H. Hotchkiss, Michael E. Barber and A. N. Papanicolaou, HY Dec. 01, p1036-1040.

New Engineer Training at Bureau of Reclamation, Walter E. Heyder, P.E., HY Dec. 01, p996-1001.

Real–World Projects Reinforce Fundamentals in the Classroom, Blake P. Tullis and J. Paul Tullis, HY Dec. 01, p992-995.

Teaching Hydraulic Design, John Finnie, HY Dec. 01, p983.

Teaching Hydraulic Design in an Australian Undergraduate Civil Engineering Curriculum, H. Chanson, HY Dec. 01, p1002-1008.

Teaching Hydraulic Design Using Equation Solvers, Thomas K. Jewell, P.E., HY Dec. 01, p1013-1021.

Teaching of Hydraulic Design at University of Newcastle upon Tyne, P. Novak and E. M. Valentine, HY Dec. 01, p1009-1012.

What Do Students Need in Hydraulic Design Projects? Peter T. Weiss and John S. Gulliver, HY Dec. 01, p984-991.

Engineers
A First Course in Fluid Mechanics for Civil Engineers by Donald D. Gray, Hector R. Bravo, HY Jan. 01, p88-89.

Entrainment
Discrete Particle Modeling of Entrainment from Flat Uniformly Sized Sediment Beds, Ian McEwan and John Heald, HY July 01, p588-597.

Entrainment and Turbulence in Saline Underflow in Lake Ogawara, Chris J. Dallimore, Jörg Imberger and Tadaharu Ishikawa, HY Nov. 01, p937-948.

Equilibrium Near-Bed Concentration of Suspended Sediment, Zhixian Cao, HY Dec. 99, p1270-1278.

Environmental engineering
The Hydraulics of Open Channel Flow: An Introduction, by Hubert Chanson, Larry J. Webber, HY Mar. 01, p246-247.

Environmental impacts
In Situ Size Distribution of Suspended Sediment Particles in the Fraser River, Bommanna G. Krishnappan, HY Aug. 00, p561-569.

Equations of motion
Forum: Alternate-Depth Equation Revived, Subhash C. Jain, HY Sept. 01, p707.

Erosion
Estimating the Depth of Deposition (Erosion) at Slope Transitions on Alluvial Fans, Richard H. French, Julianne J. Miller and Steve Curtis, HY Sept. 01, p780-782.

Risk of Sediment Erosion and Suspension in Turbulent Flows, Fabian Lopez and Marcelo H. Garcia, HY Mar. 01, p231-235.

Scour of Cohesive Soil by Submerged Circular Turbulent Impinging Jets, K. A. Mazurek, N. Rajaratnam and D. C. Sego, HY July 01, p598-606.

Estimation
Desktop Method for Estimating Vessel-Induced Sediment Suspension, Trimbak M. Parchure, William H. McAnally, Jr. and Allen M. Teeter, HY July 01, p577-587.

Estimating the Depth of Deposition (Erosion) at Slope Transitions on Alluvial Fans, Richard H. French, Julianne J. Miller and Steve Curtis, HY Sept. 01, p780-782.

Estuaries
3D Numerical Model in Orthogonal Curvilinear and Sigma Coordinate System for Pearl River Estuary, K. W. Chau and Y. W. Jiang, HY Jan. 01, p72-82.

NATO Workshop: New Paradigms in River and Estuarine Management, Peter Goodwin, HY Oct. 01, p792-793.

Expansion
Submerged Hydraulic Jumps below Abrupt Expansions, Iwao Ohtsu, Youichi Yasuda and Motoyasu Ishikawa, HY May 99, p492-499.

Experimentation
Experimental Study of 3D Pump-Intake Flows with and without Cross Flow, Matahel Ansar and Tatsuaki Nakato, HY Oct. 01, p825-834.

Experiments on Flow at a 90° Open-Channel Junction, Larry J. Weber, Eric D. Schumate and Nicola Mawer, HY May 01, p340-350.

Field Experiments to Determine Gas Transfer at Gated Sills, A. L. Urban, S. L. Hettiarachchi, K. F. Miller, G. P. Kincaid and J. S. Gulliver, HY Oct. 01, p848-859.

Flow over a "Killer" Weir Design Project, Rollin H. Hotchkiss, HY Dec. 01, p1022-1027.

Failures
Case Study: Lapino Powerplant Penstock Failure, Adam Adamkowski, HY July 01, p547-555.

Field investigations
In Situ Size Distribution of Suspended Sediment Particles in the Fraser River, Bommanna G. Krishnappan, HY Aug. 00, p561-569.

Field tests
Field Techniques for Suspended-Sediment Measurement, D. G. Wren, B. D. Barkdoll, R. A. Kuhnle and R. W. Derrow, HY Feb. 00, p97-104.

Movable Bed Roughness in Alluvial Rivers, Weiming Wu and Sam S. Y. Wang, HY Dec. 99, p1309-1312.

Finite element method
Efficient, Robust Design Tool for Open-Channel Flow, Clarence O. E. Burg, David H. Huddleston and R. C. Berger, HY Jan. 01, p62-70.

Fish screens
Hydraulic Performance of Coanda-Effect Screens, Tony L. Wahl, P.E., HY June 01, p480-488.

Flocculation
In Situ Size Distribution of Suspended Sediment Particles in the Fraser River, Bommanna G. Krishnappan, HY Aug. 00, p561-569.

Flood control
Engineered Levee Breaches for Flood Mitigation, David A. Jaffe and Brett F. Sanders, HY June 01, p471-479.

Flood routing
Channel Routing in Open-Channel Flows with Surges, Ming-Hseng Tseng, Chiang-An Hsu and Chia R. Chu, HY Feb. 01, p115-122.
Modeling of Mud/Debris Unsteady Flows, Ming Jin and D. L. Fread, HY Aug. 99, p827-834.
Volume Conservation in Variable Parameter Muskingum-Cunge Method, Xiao-Nan Tang, Donald W. Knight and Paul G. Samuels, HY June 99, p610-620.

Flood stages
Engineered Levee Breaches for Flood Mitigation, David A. Jaffe and Brett F. Sanders, HY June 01, p471-479.

Floods
Engineered Levee Breaches for Flood Mitigation, David A. Jaffe and Brett F. Sanders, HY June 01, p471-479.
Evaluation of Numerical Models of Flood and Tide Propagation in Channels, Rodney J. Sobey, HY Oct. 01, p805-824.

Floodwater
Nien Chien: His Life and Recent Book *Mechanics of Sediment Transport*, Hsieh Wen Shen, HY Nov. 01, p895-899.

Florida
Case Study: Analysis and Forecasting of Salinity in Apalachicola Bay, Florida, Using Box-Jenkins ARIMA Models, Hongbing Sun and Manfred Koch, HY Sept. 01, p718-727.

Flow
Onset of Skimming Flow on Stepped Spillways, M. R. Chamani and N. Rajaratnam, HY Sept. 99, p969-971.
Simulation and Identification of Organized Structures in Flows, edited by J.N. Sorenson, E. J. Hopfinger, and N. Aubry, Vladimir Nikora, HY Feb. 01, p171-172.

Flow characteristics
Characteristics of Skimming Flow over Stepped Spillways, M. R. Chamani and N. Rajaratnam, HY Apr. 99, p361-368.
Efficient, Robust Design Tool for Open-Channel Flow, Clarence O. E. Burg, David H. Huddleston and R. C. Berger, HY Jan. 01, p62-70.
Experiments on Flow at a 90° Open-Channel Junction, Larry J. Weber, Eric D. Schumate and Nicola Mawer, HY May 01, p340-350.
Role of Bed Discordance at Asymmetrical River Confluences, K. F. Bradbrook, S. N. Lane, K. S. Richards, P. M. Biron and A. G. Roy, HY May 01, p351-368.

Flow measurement
Flow over Ogee Spillway: Physical and Numerical Model Case Study, Bruce M. Savage and Michael C. Johnson, HY Aug. 01, p640-649.
Measurements of Turbulence Generated by Oscillating Grid, Nian-Sheng Cheng and Adrian Wing-Keung Law, HY Mar. 01, p201-208.
Price Current-Meter Standard Rating Development by the U.S. Geological Survey, E. F. Hubbard, G. E. Schwarz, K. G. Thibodeaux and Lisa M. Conge, HY Apr. 01, p250-257.

Flow patterns
3D Numerical Model in Orthogonal Curvilinear and Sigma Coordinate System for Pearl River Estuary, K. W. Chau and Y. W. Jiang, HY Jan. 01, p72-82.
Bend-Flow Simulation Using 2D Depth-Averaged Model, H. C. Lien, T. Y. Hsieh, J. C. Yang and K. C. Yeh, HY Oct. 99, p1097-1108.

Flow simulation
Impact of Turbidity Currents on Reservoir Sedimentation, Giovanni De Cesare, Anton Schleiss and Felix Hermann, HY Jan. 01, p6-16.
Large-Eddy Simulation of Sediment Transport: Currents over Ripples, Emily A. Zedler and Robert L. Street, HY June 01, p444-452.

Fluid dynamics
Computations of Curved Free Surface Water Flow on Spiral Concentrators, B. W. Matthews, C. A. J. Fletcher, A. C. Partridge and S. Vasquez, HY Nov. 99, p1126-1139.
Efficient, Robust Design Tool for Open-Channel Flow, Clarence O. E. Burg, David H. Huddleston and R. C. Berger, HY Jan. 01, p62-70.
New Task Committee on Advanced Environmental-Hydraulics Modeling, Fotis Sotiropoulos and C. Y. Wei, HY Jan. 01, p3-4.

Fluid mechanics
A First Course in Fluid Mechanics for Civil Engineers by Donald D. Gray, Hector R. Bravo, HY Jan. 01, p88-89.
Mudflow Rheology and Dynamics, by Philippe Coussot, Tim J. Ward, HY Apr. 01, p331-332.

Flumes
Development and Geometric Similarity of Alluvial Deltas, Chjeng-Lun Shieh, Chih-Ming Tseng and Shaohua Marko Hsu, HY Jan. 01, p17-29.
Flume Tests for Scour in Clay at Circular Piers, C. K. Ting, Jean-Louis Briaud, H. C. Chen, Rao Gudavalli, Suresh Perugu and Gengsheng Wei, HY Nov. 01, p969-978.
Monitoring River Channel and Flume Surfaces with Digital Photogrammetry, S. N. Lane, J. H. Chandler and K. Porfiri, HY Oct. 01, p871-877.

Fluvial hydraulics
Equilibrium Near-Bed Concentration of Suspended Sediment, Zhixian Cao, HY Dec. 99, p1270-1278.

Forecasting
Case Study: Analysis and Forecasting of Salinity in Apalachicola Bay, Florida, Using Box-Jenkins ARIMA Models, Hongbing Sun and Manfred Koch, HY Sept. 01, p718-727.
Neural Networks as Routine for Error Updating of Numerical Models, Vladan Babovic, Rafael Cañizares, H. René Jensen and Anders Klinting, HY Mar. 01, p181-193.

Fourier analysis
Modification of Canal Flow due to Stream-Aquifer Interaction, A. M. Wasantha Lal, HY July 01, p567-576.

Free flow
Computations of Curved Free Surface Water Flow on Spiral Concentrators, B. W. Matthews, C. A. J. Fletcher, A. C. Partridge and S. Vasquez, HY Nov. 99, p1126-1139.

Free surfaces
Computations of Curved Free Surface Water Flow on Spiral Concentrators, B. W. Matthews, C. A. J. Fletcher, A. C. Partridge and S. Vasquez, HY Nov. 99, p1126-1139.

Frequency response
Leak Detection in Pipes by Frequency Response Method, Witness Mpesha, Sarah L. Gassman and M. Hanif Chaudhry, HY Feb. 01, p134-147.

Friction
Extended Thermodynamics Derivation of Energy Dissipation in Unsteady Pipe Flow, David H. Axworthy, Mohamed S. Ghidaoui and Duncan A. McInnis, HY Apr. 00, p276-287.
Sample Size Determination in Open Channel Inverse Problems, Rahman H. Khatibi, HY Aug. 01, p678-688.
Unsteady Friction in Rough Pipes, Walter F. Silva-Araya and M. Hanif Chaudhry, HY July 01, p607-618.

Friction factor
Modeling of Mud/Debris Unsteady Flows, Ming Jin and D. L. Fread, HY Aug. 99, p827-834.

Froude number
Flume Tests for Scour in Clay at Circular Piers, C. K. Ting, Jean-Louis Briaud, H. C. Chen, Rao Gudavalli, Suresh Perugu and Gengsheng Wei, HY Nov. 01, p969-978.
Hydraulic Performance of Coanda-Effect Screens, Tony L. Wahl, P.E., HY June 01, p480-488.

Gaussian process
Development and Geometric Similarity of Alluvial Deltas, Chjeng-Lun Shieh, Chih-Ming Tseng and Shaohua Marko Hsu, HY Jan. 01, p17-29.

Geometry
Bed-Form Geometry in Sand-Bed Flows, Fazle Karim, HY Dec. 99, p1253-1261.

Gradually varied flow
Integrating Equation of Gradually Varied Flow, Ramappa G. Patil, Vasant N. Diwanji and Rajnikant M. Khatsuria, HY July 01, p624-625.

Graduate study
Teaching Hydraulic Design Using Equation Solvers, Thomas K. Jewell, P.E., HY Dec. 01, p1013-1021.

Grain size
Rational Criterion for Designing Opening of Slit-Check Dam, Aronne Armanini and Michele Larcher, HY Feb. 01, p94-104.

Grains
Roughness Characteristics of New Zealand Rivers by D. M. Hicks and P. D. Mason, Jonathan M. Nelson, HY June 01, p526-527.

Grasses
Grass-Lined Channels, A. Osman Akan and Willi Hager, HY Mar. 01, p236-237.

Gravel
Accuracy of Cross-Channel Sampled Sediment Transport in Large Sand-Gravel-Bed Rivers, Maarten G. Kleinhans and Wilfried B. M. Ten Brinke, HY Apr. 01, p258-269.
Roughness Characteristics of New Zealand Rivers by D. M. Hicks and P. D. Mason, Jonathan M. Nelson, HY June 01, p526-527.

Ground water
Hydrology and Hydraulic Systems, 2nd Ed. by Ram. S. Gupta, Vincent Neary, HY Oct. 01, p891-892.
Use of GA to Determine Areas of Accretion to Semi-confined Aquifer, Randall W. Gentry, P.E., Charles V. Camp and Jerry L. Anderson, P.E., HY Sept. 01, p738-746.

Ground-water flow
Multilayered Aquifer Systems: Fundamentals and Applications, by Alexander H. D. Cheng, Randall W. Gentry, HY May 01, p435-436.

Ground-water recharge
Identifying Effective Distance to a Recharge Boundary, Sushil K. Singh, HY Aug. 01, p689-692.

Guidelines
Debris- and Ice-Skimming Booms at Riverside Diversions, Owen Kubit and Robert Ettema, HY June 01, p489-498.

Homogeneity
Measurements of Turbulence Generated by Oscillating Grid, Nian-Sheng Cheng and Adrian Wing-Keung Law, HY Mar. 01, p201-208.

Hydraulic design
Bibliography for Teaching Hydraulic Design, John Finnie, Kevin Nielsen, Walt Heyder and Rollin Hotchkiss, HY Dec. 01, p1052-1064.
Bridge Hydraulics by Les Hamill, J. Sterling Jones, HY July 01, p632-633.
Debris- and Ice-Skimming Booms at Riverside Diversions, Owen Kubit and Robert Ettema, HY June 01, p489-498.
Real–World Projects Reinforce Fundamentals in the Classroom, Blake P. Tullis and J. Paul Tullis, HY Dec. 01, p992-995.
Teaching Hydraulic Design, John Finnie, HY Dec. 01, p983.
Teaching Hydraulic Design in an Australian Undergraduate Civil Engineering Curriculum, H. Chanson, HY Dec. 01, p1002-1008.
Teaching Hydraulic Design Using Equation Solvers, Thomas K. Jewell, P.E., HY Dec. 01, p1013-1021.
Teaching of Hydraulic Design at University of Newcastle upon Tyne, P. Novak and E. M. Valentine, HY Dec. 01, p1009-1012.
What Do Students Need in Hydraulic Design Projects? Peter T. Weiss and John S. Gulliver, HY Dec. 01, p984-991.

Hydraulic engineering
Bridge Hydraulics by Les Hamill, J. Sterling Jones, HY July 01, p632-633.
Civil–Engineering Education: Alternative Paths, James A. Liggett and Robert Ettema, HY Dec. 01, p1041-1051.
Editorial, Robert Ettema, HY Jan. 01, p1.
Editorial, Robert Ettema, HY May 01, p333-334.

Editorial: Case-Study Papers; Three Veterans (Bruce Larock, Bruce Melville and Anand Prakash), Robert Ettema, HY July 01, p529-530.

Editorial: Review/Tutorial Papers, Robert Ettema, HY Oct. 01, p789-791.

Editor's Note, Robert Ettema, HY Jan. 01, p2.

Forum: Alternate-Depth Equation Revived, Subhash C. Jain, HY Sept. 01, p707.

Forum: Karl Emil Hilgard: Swiss Hydraulician and Sponsor of ASCE Paper Award, Willi H. Hager, HY Feb. 01, p91-92.

Hydraulic Engineering Education: Evolving to Meet Needs, Rollin H. Hotchkiss, Michael E. Barber and A. N. Papanicolaou, HY Dec. 01, p1036-1040.

Hydrology and Hydraulic Systems, 2nd Ed. by Ram. S. Gupta, Vincent Neary, HY Oct. 01, p891-892.

Micro-Sale Loose-Bed Hydraulic Models, Roger A. Gaines and Stephen T. Maynord, HY May 01, p335-338.

Nien Chien: His Life and Recent Book *Mechanics of Sediment Transport*, Hsieh Wen Shen, HY Nov. 01, p895-899.

Open-Channel Flow by Subhash C. Jain, Eric M. Valentine, HY Sept. 01, p788.

Some Issues in Computational Hydraulics Practice, Rahman Khatibi, HY June 01, p438-442.

Hydraulic gradients

Pipeflow 2 for Windows by J. Tuach, W. Chojnacki, S. Kulkarni, Gerald Schohl, HY Aug. 01, p706.

Hydraulic jets

Experimental Simulation of a Vertical Round Jet Issuing into an Unsteady Cross-Flow, K. M. Lam and L. P. Xia, HY May 01, p369-379.

Mixing in Stratified Jets, Philip J. W. Roberts, Karen Maile and Greg Daviero, HY Mar. 01, p194-200.

Simulation of Scour Process in Plunging Pool of Loose Bed-Material, Yafei Jia, Tadanori Kitamura and Sam S. Y. Wang, HY Mar. 01, p219-229.

Hydraulic jump

Backward Flow Velocities of Submerged Hydraulic Jumps, Hans J. Leutheusser and Jerry J. Fan, HY June 01, p514-517.

Submerged Hydraulic Jumps below Abrupt Expansions, Iwao Ohtsu, Youichi Yasuda and Motoyasu Ishikawa, HY May 99, p492-499.

Hydraulic models

New Task Committee on Advanced Environmental-Hydraulics Modeling, Fotis Sotiropoulos and C. Y. Wei, HY Jan. 01, p3-4.

Turbine Discharge Measurement by the Velocity-Area Method, J. C. Doering and P. D. Hans, HY Sept. 01, p747-752.

Hydraulic performance

Hydraulic Performance of Coanda-Effect Screens, Tony L. Wahl, P.E., HY June 01, p480-488.

Hydraulic pressure

Simulation of Scour Process in Plunging Pool of Loose Bed-Material, Yafei Jia, Tadanori Kitamura and Sam S. Y. Wang, HY Mar. 01, p219-229.

Hydraulic properties

Hydraulic Characteristics of Multistage Orifice Tunnels, Q. Y. Zhang and B. Q. Chai, HY Aug. 01, p663-668.

Predicting River Travel Time from Hydraulic Characteristics, Harvey E. Jobson, P.E., HY Nov. 01, p911-918.

Hydraulic roughness

Grass-Lined Channels, A. Osman Akan and Willi Hager, HY Mar. 01, p236-237.

Hydraulic Roughness of Breakup Ice Jams, Spyros Beltaos, HY Aug. 01, p650-656.

Hydraulic structures

Backward Flow Velocities of Submerged Hydraulic Jumps, Hans J. Leutheusser and Jerry J. Fan, HY June 01, p514-517.

Field Experiments to Determine Gas Transfer at Gated Sills, A. L. Urban, S. L. Hettiarachchi, K. F. Miller, G. P. Kincaid and J. S. Gulliver, HY Oct. 01, p848-859.

Hydraulics

Forum: Vito Vanoni (1904-1999): A Leader in Sedimentation Engineering, Norman H. Brooks, HY Mar. 01, p175-179.

The Hydraulics of Open Channel Flow: An Introduction, by Hubert Chanson, Larry J. Webber, HY Mar. 01, p246-247.

Variation of Roughness Coefficients for Unsubmerged and Submerged Vegetation, Fu-Chun Wu, Hsieh Wen Shen and Yi-Ju Chou, HY Sept. 99, p934-942.

Hydroelectric powerplants

Case Study: Lapino Powerplant Penstock Failure, Adam Adamkowski, HY July 01, p547-555.

Hydrographs

Volume Conservation in Variable Parameter Muskingum-Cunge Method, Xiao-Nan Tang, Donald W. Knight and Paul G. Samuels, HY June 99, p610-620.

Hydrology

Hydrology and Hydraulic Systems, 2nd Ed. by Ram. S. Gupta, Vincent Neary, HY Oct. 01, p891-892.

Ice jams

Hydraulic Roughness of Breakup Ice Jams, Spyros Beltaos, HY Aug. 01, p650-656.

Identification

Nonlinear Diffusive Wave Modeling and Identification of Open Channels, Xavier Litrico, HY Apr. 01, p313-320.

Simulation and Identification of Organized Structures in Flows, edited by J.N. Sorenson, E. J. Hopfinger, and N. Aubry, Vladimir Nikora, HY Feb. 01, p171-172.

Injuries

Backward Flow Velocities of Submerged Hydraulic Jumps, Hans J. Leutheusser and Jerry J. Fan, HY June 01, p514-517.

Inlets, waterways

Aspects of Inlet Boundary Prescription for a Turbulent Flow Field, C. S. P. Ojha, S. Mandal and P. Bhargava, HY Aug. 01, p694-700.

Hydraulic Design Example—Canal and Pipeline Inlet, John Finnie, HY Dec. 01, p1028-1035.

Instrumentation

Field Techniques for Suspended-Sediment Measurement, D. G. Wren, B. D. Barkdoll, R. A. Kuhnle and R. W. Derrow, HY Feb. 00, p97-104.

Integral equations

Integrating Equation of Gradually Varied Flow, Ramappa G. Patil, Vasant N. Diwanji and Rajnikant M. Khatsuria, HY July 01, p624-625.

Irrigation systems

Nonlinear Diffusive Wave Modeling and Identification of Open Channels, Xavier Litrico, HY Apr. 01, p313-320.

Japan

Entrainment and Turbulence in Saline Underflow in Lake Ogawara, Chris J. Dallimore, Jörg Imberger and Tadaharu Ishikawa, HY Nov. 01, p937-948.

Jets

Onset of Skimming Flow on Stepped Spillways, M. R. Chamani and N. Rajaratnam, HY Sept. 99, p969-971.

Scour of Cohesive Soil by Submerged Circular Turbulent Impinging Jets, K. A. Mazurek, N. Rajaratnam and D. C. Sego, HY July 01, p598-606.

Kinetics

Review of k—ϵ Model to Analyze Oscillatory Boundary Layers, Ahmad Sana and Hitoshi Tanaka, HY Sept. 00, p701-710.

Laboratory tests

Surface Roughness for Shallow Overland Flow on Crushed Stone Surfaces, Ana P. Barros and Jeremy D. Colello, HY Jan. 01, p38-52.

Lakes

Accurate Two-Dimensional Simulation of Advective-Diffusive-Reactive Transport, Dragoslav L. Stefanovic and Heinz G. Stefan, HY Sept. 01, p728-737.

Entrainment and Turbulence in Saline Underflow in Lake Ogawara, Chris J. Dallimore, Jörg Imberger and Tadaharu Ishikawa, HY Nov. 01, p937-948.

Laminar flow

1D Numerical Model of Muddy Subaqueous and Subaerial Debris Flows, Jasim Imran, Gary Parker, Jacques Locat and Homa Lee, HY Nov. 01, p959-968.

Laplace transform

Moment-Based Calculation of Parameters for the Storage Zone Model for River Dispersion, Il Won Seo and Tae Sung Cheong, HY June 01, p453-465.

Leakage

Leak Detection in Pipes by Frequency Response Method, Witness Mpesha, Sarah L. Gassman and M. Hanif Chaudhry, HY Feb. 01, p134-147.

Levees

Engineered Levee Breaches for Flood Mitigation, David A. Jaffe and Brett F. Sanders, HY June 01, p471-479.

Liquids

Practical Method to Prevent Liquid-Column Separation, Kai-lin Yang, HY July 01, p620-623.

Mathematical models

Modeling Mamala Bay Outfall Plumes. I: Near Field, Philip J. W. Roberts, HY June 99, p564-573.

Modeling Mamala Bay Outfall Plumes. II: Far Field, Philip J. W. Roberts, HY June 99, p574-583.

Mathematics

Multilayered Aquifer Systems: Fundamentals and Applications, by Alexander H. D. Cheng, Randall W. Gentry, HY May 01, p435-436.

Measurement

Accuracy of Cross-Channel Sampled Sediment Transport in Large Sand-Gravel-Bed Rivers, Maarten G. Kleinhans and Wilfried B. M. Ten Brinke, HY Apr. 01, p258-269.

Field Techniques for Suspended-Sediment Measurement, D. G. Wren, B. D. Barkdoll, R. A. Kuhnle and R. W. Derrow, HY Feb. 00, p97-104.

Turbine Discharge Measurement by the Velocity-Area Method, J. C. Doering and P. D. Hans, HY Sept. 01, p747-752.

Measuring instruments

Field Techniques for Suspended-Sediment Measurement, D. G. Wren, B. D. Barkdoll, R. A. Kuhnle and R. W. Derrow, HY Feb. 00, p97-104.

Price Current-Meter Standard Rating Development by the U.S. Geological Survey, E. F. Hubbard, G. E. Schwarz, K. G. Thibodeaux and Lisa M. Conge, HY Apr. 01, p250-257.

Meteorology

Estimating Stratification in Shallow Water Bodies from Mean Meteorological Conditions, S. A. Condie and I. T. Webster, HY Apr. 01, p286-292.

Methane

Field Experiments to Determine Gas Transfer at Gated Sills, A. L. Urban, S. L. Hettiarachchi, K. F. Miller, G. P. Kincaid and J. S. Gulliver, HY Oct. 01, p848-859.

Methodology

Practical Method to Prevent Liquid-Column Separation, Kai-lin Yang, HY July 01, p620-623.

Mississippi River

Development of Integrated Sediment Rating Curves Using ANNs, Sharad Kumar Jain, HY Jan. 01, p30-37.

Mixing

Exchange Processes between a River and Its Groyne Fields: Model Experiments, W. S. J. Uijttewaal, D. Lehmann and A. van Mazijk, HY Nov. 01, p928-936.

Mixing in Stratified Jets, Philip J. W. Roberts, Karen Maile and Greg Daviero, HY Mar. 01, p194-200.

Role of Bed Discordance at Asymmetrical River Confluences, K. F. Bradbrook, S. N. Lane, K. S. Richards, P. M. Biron and A. G. Roy, HY May 01, p351-368.

Models

Discrete Particle Distribution Model for Advection-Diffusion Transport, Manuel Costa and João S. Ferreira, HY July 00, p525-532.

Discrete Particle Modeling of Entrainment from Flat Uniformly Sized Sediment Beds, Ian McEwan and John Heald, HY July 01, p588-597.

Exchange Processes between a River and Its Groyne Fields: Model Experiments, W. S. J. Uijttewaal, D. Lehmann and A. van Mazijk, HY Nov. 01, p928-936.

Micro-Sale Loose-Bed Hydraulic Models, Roger A. Gaines and Stephen T. Maynord, HY May 01, p335-338.

Mixing in Stratified Jets, Philip J. W. Roberts, Karen Maile and Greg Daviero, HY Mar. 01, p194-200.

Modeling Tidal Transport of Urban Runoff in Channels Using the Finite-Volume Method, Brett F. Sanders, Carrie L. Green, Allyson K. Chu and Stanley B. Grant, HY Oct. 01, p795-804.

Review of k—ϵ Model to Analyze Oscillatory Boundary Layers, Ahmad Sana and Hitoshi Tanaka, HY Sept. 00, p701-710.

Sediment Transport in Proposed Geomorphic Channel for Napa River, V. S. Neary, S. A. Wright and P. Bereciartua, HY Nov. 01, p901-910.

Simulation of Scour Process in Plunging Pool of Loose Bed-Material, Yafei Jia, Tadanori Kitamura and Sam S. Y. Wang, HY Mar. 01, p219-229.

Unsteady-State Inverse Chlorine Modeling in Pipe Networks, A. S. Al-Omari and M. H. Chaudhry, HY Aug. 01, p669-677.

Monitoring

Monitoring River Channel and Flume Surfaces with Digital Photogrammetry, S. N. Lane, J. H. Chandler and K. Porfiri, HY Oct. 01, p871-877.

Morphology

Numerical Morphological Modeling of Open-Check Dams, Marcela M. Busnelli, Guus S. Stelling and Michele Larcher, HY Feb. 01, p105-114.

Mountain streams

Numerical Morphological Modeling of Open-Check Dams, Marcela M. Busnelli, Guus S. Stelling and Michele Larcher, HY Feb. 01, p105-114.

Rational Criterion for Designing Opening of Slit-Check Dam, Aronne Armanini and Michele Larcher, HY Feb. 01, p94-104.

Movable bed models

Development and Geometric Similarity of Alluvial Deltas, Chjeng-Lun Shieh, Chih-Ming Tseng and Shaohua Marko Hsu, HY Jan. 01, p17-29.

Numerical Morphological Modeling of Open-Check Dams, Marcela M. Busnelli, Guus S. Stelling and Michele Larcher, HY Feb. 01, p105-114.

Mud

1D Numerical Model of Muddy Subaqueous and Subaerial Debris Flows, Jasim Imran, Gary Parker, Jacques Locat and Homa Lee, HY Nov. 01, p959-968.

Modeling of Mud/Debris Unsteady Flows, Ming Jin and D. L. Fread, HY Aug. 99, p827-834.

Mudflow Rheology and Dynamics, by Philippe Coussot, Tim J. Ward, HY Apr. 01, p331-332.

Multi-port diffuser

Performance of Tee Diffusers in Shallow Water with Crossflow, Il Won Seo, Hong Sik Kim, Daeyoung Yu and Dong Soo Kim, HY Jan. 01, p53-61.

Navigation

Micro-Sale Loose-Bed Hydraulic Models, Roger A. Gaines and Stephen T. Maynord, HY May 01, p335-338.

Netherlands

Accuracy of Cross-Channel Sampled Sediment Transport in Large Sand-Gravel-Bed Rivers, Maarten G. Kleinhans and Wilfried B. M. Ten Brinke, HY Apr. 01, p258-269.

NATO Workshop: New Paradigms in River and Estuarine Management, Peter Goodwin, HY Oct. 01, p792-793.

Neural networks

Development of Integrated Sediment Rating Curves Using ANNs, Sharad Kumar Jain, HY Jan. 01, p30-37.

Neural Networks as Routine for Error Updating of Numerical Models, Vladan Babovic, Rafael Cañizares, H. René Jensen and Anders Klinting, HY Mar. 01, p181-193.

New Zealand

New Zealand Bridge Scour, Stephen E. Coleman and Bruce W. Melville, HY July 01, p535-546.

Roughness Characteristics of New Zealand Rivers by D. M. Hicks and P. D. Mason, Jonathan M. Nelson, HY June 01, p526-527.

Nonlinear systems

Nonlinear Diffusive Wave Modeling and Identification of Open Channels, Xavier Litrico, HY Apr. 01, p313-320.

Nonuniform flow

Experimental Study of 3D Pump-Intake Flows with and without Cross Flow, Matahel Ansar and Tatsuaki Nakato, HY Oct. 01, p825-834.

Numerical models

1D Numerical Model of Muddy Subaqueous and Subaerial Debris Flows, Jasim Imran, Gary Parker, Jacques Locat and Homa Lee, HY Nov. 01, p959-968.

3D Analytic Model for Testing Numerical Tidal Models, C. Li, HY Sept. 01, p709-717.

3D Numerical Model in Orthogonal Curvilinear and Sigma Coordinate System for Pearl River Estuary, K. W. Chau and Y. W. Jiang, HY Jan. 01, p72-82.

Editorial: Review/Tutorial Papers, Robert Ettema, HY Oct. 01, p789-791.

Evaluation of Numerical Models of Flood and Tide Propagation in Channels, Rodney J. Sobey, HY Oct. 01, p805-824.

Flow over Ogee Spillway: Physical and Numerical Model Case Study, Bruce M. Savage and Michael C. Johnson, HY Aug. 01, p640-649.

Neural Networks as Routine for Error Updating of Numerical Models, Vladan Babovic, Rafael Cañizares, H. René Jensen and Anders Klinting, HY Mar. 01, p181-193.

Numerical Morphological Modeling of Open-Check Dams, Marcela M. Busnelli, Guus S. Stelling and Michele Larcher, HY Feb. 01, p105-114.

Simple Curvilinear Method for Numerical Models of Open Channels, Ben R. Hodges and Jorg Imberger, HY Nov. 01, p949-958.

Use of GA to Determine Areas of Accretion to Semi-confined Aquifer, Randall W. [illegible]stry, P.E., Charles V. Camp and Jerry L. Anderson, P.E., HY Sept. 01, p738-746.

Observation wells

Identifying Effective Distance to a Recharge Boundary, Sushil K. Singh, HY Aug. 01, p689-692.

Ocean disposal

Modeling Mamala Bay Outfall Plumes. I: Near Field, Philip J. W. Roberts, HY June 99, p564-573.

Modeling Mamala Bay Outfall Plumes. II: Far Field, Philip J. W. Roberts, HY June 99, p574-583.

Open channel flow

Bed-Form Geometry in Sand-Bed Flows, Fazle Karim, HY Dec. 99, p1253-1261.

Channel Routing in Open-Channel Flows with Surges, Ming-Hseng Tseng, Chiang-An Hsu and Chia R. Chu, HY Feb. 01, p115-122.

Choked Flows through Short Contractions, Baosheng Wu and Albert Molinas, HY Aug. 01, p657-662.

Editorial: Further Introduction of Associate Editors, Robert Ettema, HY Nov. 01, p893-894.

Efficient, Robust Design Tool for Open-Channel Flow, Clarence O. E. Burg, David H. Huddleston and R. C. Berger, HY Jan. 01, p62-70.

Experiments on Flow at a 90° Open-Channel Junction, Larry J. Weber, Eric D. Schumate and Nicola Mawer, HY May 01, p340-350.

Forum: Alternate-Depth Equation Revived, Subhash C. Jain, HY Sept. 01, p707.

Forum: Vito Vanoni (1904-1999): A Leader in Sedimentation Engineering, Norman H. Brooks, HY Mar. 01, p175-179.

Gauckler and the GMS Formula, Willi H. Hager, HY Aug. 01, p635-638.

Mean Flow and Turbulence Structure of Open-Channel Flow through Non-Emergent Vegetation, Fabían López and Marcelo H. García, HY May 01, p392-402.

Open-Channel Flow by Subhash C. Jain, Eric M. Valentine, HY Sept. 01, p788.

Regression Residuals and Mean Profiles in Uniform Open-Channel Flows, D. A. Lyn, HY Jan. 00, p14-32.

Role of Bed Discordance at Asymmetrical River Confluences, K. F. Bradbrook, S. N. Lane, K. S. Richards, P. M. Biron and A. G. Roy, HY May 01, p351-368.

Some Issues in Computational Hydraulics Practice, Rahman Khatibi, HY June 01, p438-442.

Spatially Averaged Open-Channel Flow over Rough Bed, Vladimir Nikora, Derek Goring, Ian McEwan and George Griffiths, HY Feb. 01, p123-133.

The Hydraulics of Open Channel Flow: An Introduction, by Hubert Chanson, Larry J. Webber, HY Mar. 01, p246-247.

Two-Phase Flow Analysis of Concentration Profiles, Blair P. Greimann and Forrest M. Holly, Jr., HY Sept. 01, p753-762.

Open channels

Grass-Lined Channels, A. Osman Akan and Willi Hager, HY Mar. 01, p236-237.

Mean Flow and Turbulence in Open-Channel Bend, Koen Blanckaert and Walter H. Graf, HY Oct. 01, p835-847.

Nonlinear Diffusive Wave Modeling and Identification of Open Channels, Xavier Litrico, HY Apr. 01, p313-320.

Sample Size Determination in Open Channel Inverse Problems, Rahman H. Khatibi, HY Aug. 01, p678-688.

Simple Curvilinear Method for Numerical Models of Open Channels, Ben R. Hodges and Jorg Imberger, HY Nov. 01, p949-958.

Optimization

Engineered Levee Breaches for Flood Mitigation, David A. Jaffe and Brett F. Sanders, HY June 01, p471-479.

Identifying Effective Distance to a Recharge Boundary, Sushil K. Singh, HY Aug. 01, p689-692.

Identifying Impervious Boundary and Aquifer Parameters from Pump-Test Data, Sushil K. Singh, HY Apr. 01, p280-285.

Nonlinear Diffusive Wave Modeling and Identification of Open Channels, Xavier Litrico, HY Apr. 01, p313-320.

Oscillatory flow

Experimental Simulation of a Vertical Round Jet Issuing into an Unsteady Cross-Flow, K. M. Lam and L. P. Xia, HY May 01, p369-379.

Leak Detection in Pipes by Frequency Response Method, Witness Mpesha, Sarah L. Gassman and M. Hanif Chaudhry, HY Feb. 01, p134-147.

Review of k—ϵ Model to Analyze Oscillatory Boundary Layers, Ahmad Sana and Hitoshi Tanaka, HY Sept. 00, p701-710.

Outfall sewers

Modeling Mamala Bay Outfall Plumes. I: Near Field, Philip J. W. Roberts, HY June 99, p564-573.

Modeling Mamala Bay Outfall Plumes. II: Far Field, Philip J. W. Roberts, HY June 99, p574-583.

Outflows

Volume Conservation in Variable Parameter Muskingum-Cunge Method, Xiao-Nan Tang, Donald W. Knight and Paul G. Samuels, HY June 99, p610-620.

Overland flow

Surface Roughness for Shallow Overland Flow on Crushed Stone Surfaces, Ana P. Barros and Jeremy D. Colello, HY Jan. 01, p38-52.

Oxygenation

Field Experiments to Determine Gas Transfer at Gated Sills, A. L. Urban, S. L. Hettiarachchi, K. F. Miller, G. P. Kincaid and J. S. Gulliver, HY Oct. 01, p848-859.

Parameters

Confined Aquifer Parameters from Temporal Derivative of Drawdowns, Sushil K. Singh, HY June 01, p466-470.

Moment-Based Calculation of Parameters for the Storage Zone Model for River Dispersion, Il Won Seo and Tae Sung Cheong, HY June 01, p453-465.

Suction Removal of Sediment from between Armor Blocks, B. Mutlu Sumer, Sevket Cokgor and Jørgen Fredsøe, HY Apr. 01, p293-306.

Volume Conservation in Variable Parameter Muskingum-Cunge Method, Xiao-Nan Tang, Donald W. Knight and Paul G. Samuels, HY June 99, p610-620.

Particle size distribution

In Situ Size Distribution of Suspended Sediment Particles in the Fraser River, Bommanna G. Krishnappan, HY Aug. 00, p561-569.

Particles

Discrete Particle Distribution Model for Advection-Diffusion Transport, Manuel Costa and João S. Ferreira, HY July 00, p525-532.

Effect of Particle Shape on Fall Velocity of Angular Particles, M. Gögüs, O. N. İpekçi and M. A. Kökpinar, HY Oct. 01, p860-869.

Penstocks

Case Study: Lapino Powerplant Penstock Failure, Adam Adamkowski, HY July 01, p547-555.

Photogrammetry

Monitoring River Channel and Flume Surfaces with Digital Photogrammetry, S. N. Lane, J. H. Chandler and K. Porfiri, HY Oct. 01, p871-877.

Photography

Editorial, Robert Ettema, HY Jan. 01, p1.

Editor's Note, Robert Ettema, HY Jan. 01, p2.

Piers

Flume Tests for Scour in Clay at Circular Piers, C. K. Ting, Jean-Louis Briaud, H. C. Chen, Rao Gudavalli, Suresh Perugu and Gengsheng Wei, HY Nov. 01, p969-978.

Riprap Protection at Bridge Piers, Christine S. Lauchlan and Bruce W. Melville, HY May 01, p412-418.

Piles

Scour around Pile in Combined Waves and Current, B. Mutlu Sumer and Jørgen Fredsøe, HY May 01, p403-411.

Pipe flow
Editorial: Further Introduction of Associate Editors, Robert Ettema, HY Nov. 01, p893-894.
Pipeflow 2 for Windows by J. Tuach, W. Chojnacki, S. Kulkarni, Gerald Schohl, HY Aug. 01, p706.
Stability Analysis of Velocity Profiles in Water-Hammer Flows, M. S. Ghidaoui and A. A. Kolyshkin, HY June 01, p499-512.

Pipe networks
Pipeflow 2 for Windows by J. Tuach, W. Chojnacki, S. Kulkarni, Gerald Schohl, HY Aug. 01, p706.
Unsteady-State Inverse Chlorine Modeling in Pipe Networks, A. S. Al-Omari and M. H. Chaudhry, HY Aug. 01, p669-677.

Pipelines
Hydraulic Design Example—Canal and Pipeline Inlet, John Finnie, HY Dec. 01, p1028-1035.
Practical Method to Prevent Liquid-Column Separation, Kai-lin Yang, HY July 01, p620-623.

Pipes
Extended Thermodynamics Derivation of Energy Dissipation in Unsteady Pipe Flow, David H. Axworthy, Mohamed S. Ghidaoui and Duncan A. McInnis, HY Apr. 00, p276-287.
Unsteady Friction in Rough Pipes, Walter F. Silva-Araya and M. Hanif Chaudhry, HY July 01, p607-618.

Piping systems
Leak Detection in Pipes by Frequency Response Method, Witness Mpesha, Sarah L. Gassman and M. Hanif Chaudhry, HY Feb. 01, p134-147.

Plumes
3D Numerical Simulation of Deposition Patterns due to Sand Disposal in Flowing Water, C. W. Li and F. X. Ma, HY Mar. 01, p209-218.
Performance of Tee Diffusers in Shallow Water with Crossflow, Il Won Seo, Hong Sik Kim, Daeyoung Yu and Dong Soo Kim, HY Jan. 01, p53-61.

Poland
Case Study: Lapino Powerplant Penstock Failure, Adam Adamkowski, HY July 01, p547-555.

Pollutants
Longitudinal Dispersion Coefficient in Straight Rivers, Zhi-Qiang Deng, Vijay P. Singh and Lars Bengtsson, HY Nov. 01, p919-927.
Modeling Tidal Transport of Urban Runoff in Channels Using the Finite-Volume Method, Brett F. Sanders, Carrie L. Green, Allyson K. Chu and Stanley B. Grant, HY Oct. 01, p795-804.
Predicting River Travel Time from Hydraulic Characteristics, Harvey E. Jobson, P.E., HY Nov. 01, p911-918.

Potable water
Hydrology and Hydraulic Systems, 2nd Ed. by Ram. S. Gupta, Vincent Neary, HY Oct. 01, p891-892.

Predictions
Predicting River Travel Time from Hydraulic Characteristics, Harvey E. Jobson, P.E., HY Nov. 01, p911-918.

Pressures
Cavitation Prevention with Roughened Surface, Meng-Xi Nie, HY Oct. 01, p878-880.

Probability distribution
Discrete Particle Distribution Model for Advection-Diffusion Transport, Manuel Costa and João S. Ferreira, HY July 00, p525-532.

Professional practice
A First Course in Fluid Mechanics for Civil Engineers by Donald D. Gray, Hector R. Bravo, HY Jan. 01, p88-89.

Public safety
Flow over a "Killer" Weir Design Project, Rollin H. Hotchkiss, HY Dec. 01, p1022-1027.

Pump intakes
Experimental Study of 3D Pump-Intake Flows with and without Cross Flow, Matahel Ansar and Tatsuaki Nakato, HY Oct. 01, p825-834.

Pumping
Identifying Effective Distance to a Recharge Boundary, Sushil K. Singh, HY Aug. 01, p689-692.

Pumping tests, wells
Identifying Impervious Boundary and Aquifer Parameters from Pump-Test Data, Sushil K. Singh, HY Apr. 01, p280-285.

Rainfall
Turbulence Intensities of Shallow Rain-Impacted Flow over Rough Bed, Jau-Yau Lu, Jen-Yan Chen, Jian-Hao Hong, Tai-Fang Lu and Chia-Sheng Liu, HY Oct. 01, p881-886.

Reactions, mechanics
Accurate Two-Dimensional Simulation of Advective-Diffusive-Reactive Transport, Dragoslav L. Stefanovic and Heinz G. Stefan, HY Sept. 01, p728-737.

Reclamation
New Engineer Training at Bureau of Reclamation, Walter E. Heyder, P.E., HY Dec. 01, p996-1001.

Regression models
Regression Residuals and Mean Profiles in Uniform Open-Channel Flows, D. A. Lyn, HY Jan. 00, p14-32.

Reliability
Identifying Impervious Boundary and Aquifer Parameters from Pump-Test Data, Sushil K. Singh, HY Apr. 01, p280-285.
Sample Size Determination in Open Channel Inverse Problems, Rahman H. Khatibi, HY Aug. 01, p678-688.

Research
NATO Workshop: New Paradigms in River and Estuarine Management, Peter Goodwin, HY Oct. 01, p792-793.
Open-Channel Flow by Subhash C. Jain, Eric M. Valentine, HY Sept. 01, p788.

Reservoir sedimentation
Impact of Turbidity Currents on Reservoir Sedimentation, Giovanni De Cesare, Anton Schleiss and Felix Hermann, HY Jan. 01, p6-16.

Reservoirs
Catastrophic Collapse of Water Supply Reservoirs in Urban Areas, Christopher Zoppou and Stephen Roberts, HY July 99, p686-695.
Nien Chien: His Life and Recent Book *Mechanics of Sediment Transport*, Hsieh Wen Shen, HY Nov. 01, p895-899.

Revetments
Seepage Effects in Some Riprap Revetments, D. J. Hagerty and A. C. Parola, HY July 01, p556-566.

Reviews
A First Course in Fluid Mechanics for Civil Engineers by Donald D. Gray, Hector R. Bravo, HY Jan. 01, p88-89.

Reynolds number
Effect of Particle Shape on Fall Velocity of Angular Particles, M. Göğüş, Ö. N. İpekçi and M. A. Kökpinar, HY Oct. 01, p860-869.
Flume Tests for Scour in Clay at Circular Piers, C. K. Ting, Jean-Louis Briaud, H. C. Chen, Rao Gudavalli, Suresh Perugu and Gengsheng Wei, HY Nov. 01, p969-978.
Hydraulic Performance of Coanda-Effect Screens, Tony L. Wahl, P.E., HY June 01, p480-488.

Reynolds stress
Measurements of Turbulence Generated by Oscillating Grid, Nian-Sheng Cheng and Adrian Wing-Keung Law, HY Mar. 01, p201-208.
Review of k—ϵ Model to Analyze Oscillatory Boundary Layers, Ahmad Sana and Hitoshi Tanaka, HY Sept. 00, p701-710.

Rheology
1D Numerical Model of Muddy Subaqueous and Subaerial Debris Flows, Jasim Imran, Gary Parker, Jacques Locat and Homa Lee, HY Nov. 01, p959-968.

Riprap
Riprap Protection at Bridge Piers, Christine S. Lauchlan and Bruce W. Melville, HY May 01, p412-418.
Seepage Effects in Some Riprap Revetments, D. J. Hagerty and A. C. Parola, HY July 01, p556-566.

Risk analysis
Risk of Sediment Erosion and Suspension in Turbulent Flows, Fabian Lopez and Marcelo H. Garcia, HY Mar. 01, p231-235.
Stochastic Analysis of Internal Erosion in Soil Structures—Implications for Risk Assessments, Anders Wörman and Shulan Xu, HY May 01, p419-428.

River beds
Role of Bed Discordance at Asymmetrical River Confluences, K. F. Bradbrook, S. N. Lane, K. S. Richards, P. M. Biron and A. G. Roy, HY May 01, p351-368.

River flow
Exchange Processes between a River and Its Groyne Fields: Model Experiments, W. S. J. Uijttewaal, D. Lehmann and A. van Mazijk, HY Nov. 01, p928-936.
Micro-Sale Loose-Bed Hydraulic Models, Roger A. Gaines and Stephen T. Maynord, HY May 01, p335-338.

Rivers
Accuracy of Cross-Channel Sampled Sediment Transport in Large Sand-Gravel-Bed Rivers, Maarten G. Kleinhans and Wilfried B. M. Ten Brinke, HY Apr. 01, p258-269.
Debris- and Ice-Skimming Booms at Riverside Diversions, Owen Kubit and Robert Ettema, HY June 01, p489-498.
Hydraulic Roughness of Breakup Ice Jams, Spyros Beltaos, HY Aug. 01, p630-656.
Longitudinal Dispersion Coefficient in Straight Rivers, Zhi-Qiang Deng, Vijay P. Singh and Lars Bengtsson, HY Nov. 01, p919-927.
Moment-Based Calculation of Parameters for the Storage Zone Model for River Dispersion, Il Won Seo and Tae Sung Cheong, HY June 01, p453-465.
NATO Workshop: New Paradigms in River and Estuarine Management, Peter Goodwin, HY Oct. 01, p792-793.
Predicting River Travel Time from Hydraulic Characteristics, Harvey E. Jobson, P.E., HY Nov. 01, p911-918.
Sediment Transport in Proposed Geomorphic Channel for Napa River, V. S. Neary, S. A. Wright and P. Bereciartua, HY Nov. 01, p901-910.

Roughness
Unsteady Friction in Rough Pipes, Walter F. Silva-Araya and M. Hanif Chaudhry, HY July 01, p607-618.

Roughness coefficient
Movable Bed Roughness in Alluvial Rivers, Weiming Wu and Sam S. Y. Wang, HY Dec. 99, p1309-1312.
Variation of Roughness Coefficients for Unsubmerged and Submerged Vegetation, Fu-Chun Wu, Hsieh Wen Shen and Yi-Ju Chou, HY Sept. 99, p934-942.

Runoff
Surface Roughness for Shallow Overland Flow on Crushed Stone Surfaces, Ana P. Barros and Jeremy D. Colello, HY Jan. 01, p38-52.

Saline ground water
Entrainment and Turbulence in Saline Underflow in Lake Ogawara, Chris J. Dallimore, Jörg Imberger and Tadaharu Ishikawa, HY Nov. 01, p937-948.

Salinity
Case Study: Analysis and Forecasting of Salinity in Apalachicola Bay, Florida, Using Box-Jenkins ARIMA Models, Hongbing Sun and Manfred Koch, HY Sept. 01, p718-727.

Samples
Sample Size Determination in Open Channel Inverse Problems, Rahman H. Khatibi, HY Aug. 01, p678-688.

Sampling
Accuracy of Cross-Channel Sampled Sediment Transport in Large Sand-Gravel-Bed Rivers, Maarten G. Kleinhans and Wilfried B. M. Ten Brinke, HY Apr. 01, p258-269.

Sand
3D Numerical Simulation of Deposition Patterns due to Sand Disposal in Flowing Water, C. W. Li and F. X. Ma, HY Mar. 01, p209-218.
Accuracy of Cross-Channel Sampled Sediment Transport in Large Sand-Gravel-Bed Rivers, Maarten G. Kleinhans and Wilfried B. M. Ten Brinke, HY Apr. 01, p258-269.
Bed-Form Geometry in Sand-Bed Flows, Fazle Karim, HY Dec. 99, p1253-1261.

Scale models
Impact of Turbidity Currents on Reservoir Sedimentation, Giovanni De Cesare, Anton Schleiss and Felix Hermann, HY Jan. 01, p6-16.

Scour
ASCE Compendium of Stream Stability and Bridge Scour Papers, Peter F. Lagaasse and Everett V. Richardson, HY July 01, p531-533.
Flume Tests for Scour in Clay at Circular Piers, C. K. Ting, Jean-Louis Briaud, H. C. Chen, Rao Gudavalli, Suresh Perugu and Gengsheng Wei, HY Nov. 01, p969-978.
New Zealand Bridge Scour, Stephen E. Coleman and Bruce W. Melville, HY July 01, p535-546.

Riprap Protection at Bridge Piers, Christine S. Lauchlan and Bruce W. Melville, HY May 01, p412-418.

Scour around Pile in Combined Waves and Current, B. Mutlu Sumer and Jørgen Fredsøe, HY May 01, p403-411.

Scour of Cohesive Soil by Submerged Circular Turbulent Impinging Jets, K. A. Mazurek, N. Rajaratnam and D. C. Sego, HY July 01, p598-606.

Simulation of Scour Process in Plunging Pool of Loose Bed-Material, Yafei Jia, Tadanori Kitamura and Sam S. Y. Wang, HY Mar. 01, p219-229.

Use of Vanes for Control of Scour at Vertical Wall Abutments, P. A. Johnson, R. D. Hey and M. Tessier, HY Sept. 01, p772-778.

Screens

Hydraulic Performance of Coanda-Effect Screens, Tony L. Wahl, P.E., HY June 01, p480-488.

Secondary flow

Bend-Flow Simulation Using 2D Depth-Averaged Model, H. C. Lien, T. Y. Hsieh, J. C. Yang and K. C. Yeh, HY Oct. 99, p1097-1108.

Sediment

Desktop Method for Estimating Vessel-Induced Sediment Suspension, Trimbak M. Parchure, William H. McAnally, Jr. and Allen M. Teeter, HY July 01, p577-587.

Editor's Note, Robert Ettema, HY Jan. 01, p2.

Monitoring River Channel and Flume Surfaces with Digital Photogrammetry, S. N. Lane, J. H. Chandler and K. Porfiri, HY Oct. 01, p871-877.

Simulation of Scour Process in Plunging Pool of Loose Bed-Material, Yafei Jia, Tadanori Kitamura and Sam S. Y. Wang, HY Mar. 01, p219-229.

Stochastic Analysis of Internal Erosion in Soil Structures—Implications for Risk Assessments, Anders Wörman and Shulan Xu, HY May 01, p419-428.

Suction Removal of Sediment from between Armor Blocks, B. Mutlu Sumer, Sevket Cokgor and Jørgen Fredsøe, HY Apr. 01, p293-306.

Sediment concentration

Development of Integrated Sediment Rating Curves Using ANNs, Sharad Kumar Jain, HY Jan. 01, p30-37.

Equilibrium Near-Bed Concentration of Suspended Sediment, Zhixian Cao, HY Dec. 99, p1270-1278.

Impact of Turbidity Currents on Reservoir Sedimentation, Giovanni De Cesare, Anton Schleiss and Felix Hermann, HY Jan. 01, p6-16.

Two-Phase Flow Analysis of Concentration Profiles, Blair P. Greimann and Forrest M. Holly, Jr., HY Sept. 01, p753-762.

Sediment control

Risk of Sediment Erosion and Suspension in Turbulent Flows, Fabian Lopez and Marcelo H. Garcia, HY Mar. 01, p231-235.

Sediment deposits

3D Numerical Simulation of Deposition Patterns due to Sand Disposal in Flowing Water, C. W. Li and F. X. Ma, HY Mar. 01, p209-218.

Discrete Particle Modeling of Entrainment from Flat Uniformly Sized Sediment Beds, Ian McEwan and John Heald, HY July 01, p588-597.

Sediment discharge

Rational Criterion for Designing Opening of Slit-Check Dam, Aronne Armanini and Michele Larcher, HY Feb. 01, p94-104.

Sediment load

Aggradation at Bridges, Peggy A. Johnson, Richard D. Hey, Michael W. Horst and Amanda J. Hess, HY Feb. 01, p154-157.

Sediment transport

Accuracy of Cross-Channel Sampled Sediment Transport in Large Sand-Gravel-Bed Rivers, Maarten G. Kleinhans and Wilfried B. M. Ten Brinke, HY Apr. 01, p258-269.

Aggradation at Bridges, Peggy A. Johnson, Richard D. Hey, Michael W. Horst and Amanda J. Hess, HY Feb. 01, p154-157.

Bed-Form Geometry in Sand-Bed Flows, Fazle Karim, HY Dec. 99, p1253-1261.

Development of Integrated Sediment Rating Curves Using ANNs, Sharad Kumar Jain, HY Jan. 01, p30-37.

Discrete Particle Modeling of Entrainment from Flat Uniformly Sized Sediment Beds, Ian McEwan and John Heald, HY July 01, p588-597.

Equilibrium Near-Bed Concentration of Suspended Sediment, Zhixian Cao, HY Dec. 99, p1270-1278.

Forum: Vito Vanoni (1904-1999): A Leader in Sedimentation Engineering, Norman H. Brooks, HY Mar. 01, p175-179.

In Situ Size Distribution of Suspended Sediment Particles in the Fraser River, Bommanna G. Krishnappan, HY Aug. 00, p561-569.

Large-Eddy Simulation of Sediment Transport: Currents over Ripples, Emily A. Zedler and Robert L. Street, HY June 01, p444-452.

Nien Chien: His Life and Recent Book *Mechanics of Sediment Transport*, Hsieh Wen Shen, HY Nov. 01, p895-899.

Numerical Analysis of River Channel Processes with Bank Erosion, N. Nagata, T. Hosoda and Y. Muramoto, HY Apr. 00, p243-252.

Numerical Morphological Modeling of Open-Check Dams, Marcela M. Busnelli, Guus S. Stelling and Michele Larcher, HY Feb. 01, p105-114.

Risk of Sediment Erosion and Suspension in Turbulent Flows, Fabian Lopez and Marcelo H. Garcia, HY Mar. 01, p231-235.

Sediment Transport in Proposed Geomorphic Channel for Napa River, V. S. Neary, S. A. Wright and P. Bereciartua, HY Nov. 01, p901-910.

Seepage

Seepage Effects in Some Riprap Revetments, D. J. Hagerty and A. C. Parola, HY July 01, p556-566.

Separation

Practical Method to Prevent Liquid-Column Separation, Kai-lin Yang, HY July 01, p620-623.

Sewer pipes

Choke-Free Flow in Ovoidal Sewers with Increase in Bed Elevations, K. Babaeyan-Koopaei, HY Feb. 01, p149-153.

Shallow water

Advances in Calculation Methods for Supercritical Flow in Spillway Channels, D. M. Causon, C. G. Mingham and D. M. Ingram, HY Oct. 99, p1039-1050.

Catastrophic Collapse of Water Supply Reservoirs in Urban Areas, Christopher Zoppou and Stephen Roberts, HY July 99, p686-695.

Estimating Stratification in Shallow Water Bodies from Mean Meteorological Conditions, S. A. Condie and I. T. Webster, HY Apr. 01, p286-292.

Exchange Processes between a River and Its Groyne Fields: Model Experiments, W. S. J. Uijttewaal, D. Lehmann and A. van Mazijk, HY Nov. 01, p928-936.

Performance of Tee Diffusers in Shallow Water with Crossflow, Il Won Seo, Hong Sik Kim, Daeyoung Yu and Dong Soo Kim, HY Jan. 01, p53-61.

Surface Roughness for Shallow Overland Flow on Crushed Stone Surfaces, Ana P. Barros and Jeremy D. Colello, HY Jan. 01, p38-52.

Shape

Effect of Particle Shape on Fall Velocity of Angular Particles, M. Göğüs, O. N. İpekçi and M. A. Kökpinar, HY Oct. 01, p860-869.

Sharp-crested weirs

Flow over a "Killer" Weir Design Project, Rollin H. Hotchkiss, HY Dec. 01, p1022-1027.

Shear stress

Discrete Particle Modeling of Entrainment from Flat Uniformly Sized Sediment Beds, Ian McEwan and John Heald, HY July 01, p588-597.

Large-Eddy Simulation of Sediment Transport: Currents over Ripples, Emily A. Zedler and Robert L. Street, HY June 01, p444-452.

Review of k—ϵ Model to Analyze Oscillatory Boundary Layers, Ahmad Sana and Hitoshi Tanaka, HY Sept. 00, p701-710.

Shock waves

Dam-Break Waves in Power-Law Channel Section, Barbara Zanuttigh and Alberto Lamberti, HY Apr. 01, p322-326.

Simulation

3D Numerical Simulation of Deposition Patterns due to Sand Disposal in Flowing Water, C. W. Li and F. X. Ma, HY Mar. 01, p209-218.

Accurate Two-Dimensional Simulation of Advective-Diffusive-Reactive Transport, Dragoslav L. Stefanovic and Heinz G. Stefan, HY Sept. 01, p728-737.

Editorial: Further Introduction of Associate Editors, Robert Ettema, HY Nov. 01, p893-894.

Experimental Simulation of a Vertical Round Jet Issuing into an Unsteady Cross-Flow, K. M. Lam and L. P. Xia, HY May 01, p369-379.

Nonlinear Diffusive Wave Modeling and Identification of Open Channels, Xavier Litrico, HY Apr. 01, p313-320.

Simulation and Identification of Organized Structures in Flows, edited by J.N. Sorenson, E. J. Hopfinger, and N. Aubry, Vladimir Nikora, HY Feb. 01, p171-172.

Simulation of Scour Process in Plunging Pool of Loose Bed-Material, Yafei Jia, Tadanori Kitamura and Sam S. Y. Wang, HY Mar. 01, p219-229.

Unsaturated-Flow Simulation with Green Element Models, A. E. Taigbenu, HY Apr. 01, p307-312.

Skimming

Characteristics of Skimming Flow over Stepped Spillways, M. R. Chamani and N. Rajaratnam, HY Apr. 99, p361-368.

Debris- and Ice-Skimming Booms at Riverside Diversions, Owen Kubit and Robert Ettema, HY June 01, p489-498.

Onset of Skimming Flow on Stepped Spillways, M. R. Chamani and N. Rajaratnam, HY Sept. 99, p969-971.

Slopes

Estimating the Depth of Deposition (Erosion) at Slope Transitions on Alluvial Fans, Richard H. French, Julianne J. Miller and Steve Curtis, HY Sept. 01, p780-782.

Slurry pipelines

Critical Flow Velocity in Slurry Transporting Horizontal Pipelines, Mehmet Ali Kökpinar and Mustafa Göğüs, HY Sept. 01, p763-771.

Soil erosion

Stochastic Analysis of Internal Erosion in Soil Structures—Implications for Risk Assessments, Anders Wörman and Shulan Xu, HY May 01, p419-428.

Soil structure

Stochastic Analysis of Internal Erosion in Soil Structures—Implications for Risk Assessments, Anders Wörman and Shulan Xu, HY May 01, p419-428.

Spatial analysis

Spatially Averaged Open-Channel Flow over Rough Bed, Vladimir Nikora, Derek Goring, Ian McEwan and George Griffiths, HY Feb. 01, p123-133.

Spillways

Characteristics of Skimming Flow over Stepped Spillways, M. R. Chamani and N. Rajaratnam, HY Apr. 99, p361-368.

Flow over Ogee Spillway: Physical and Numerical Model Case Study, Bruce M. Savage and Michael C. Johnson, HY Aug. 01, p640-649.

Onset of Skimming Flow on Stepped Spillways, M. R. Chamani and N. Rajaratnam, HY Sept. 99, p969-971.

Stability analysis

Rapid Assessment of Channel Stability in Vicinity of Road Crossing, Peggy A. Johnson, Gary L. Gleason and Richard D. Hey, HY June 99, p645-651.

Stability Analysis of Velocity Profiles in Water-Hammer Flows, M. S. Ghidaoui and A. A. Kolyshkin, HY June 01, p499-512.

Standards

Price Current-Meter Standard Rating Development by the U.S. Geological Survey, E. F. Hubbard, G. E. Schwarz, K. G. Thibodeaux and Lisa M. Conge, HY Apr. 01, p250-257.

Statistical analysis

Regression Residuals and Mean Profiles in Uniform Open-Channel Flows, D. A. Lyn, HY Jan. 00, p14-32.

Steady flow

Leak Detection in Pipes by Frequency Response Method, Witness Mpesha, Sarah L. Gassman and M. Hanif Chaudhry, HY Feb. 01, p134-147.

Stochastic processes

Stochastic Analysis of Internal Erosion in Soil Structures—Implications for Risk Assessments, Anders Wörman and Shulan Xu, HY May 01, p419-428.

Storage

Moment-Based Calculation of Parameters for the Storage Zone Model for River Dispersion, Il Won Seo and Tae Sung Cheong, HY June 01, p453-465.

Stratification

3D Numerical Model in Orthogonal Curvilinear and Sigma Coordinate System for Pearl River Estuary, K. W. Chau and Y. W. Jiang, HY Jan. 01, p72-82.

Estimating Stratification in Shallow Water Bodies from Mean Meteorological Conditions, S. A. Condie and I. T. Webster, HY Apr. 01, p286-292.

Stratified flow
Mixing in Stratified Jets, Philip J. W. Roberts, Karen Maile and Greg Daviero, HY Mar. 01, p194-200.

Streamflow
Hydrology and Hydraulic Systems, 2nd Ed. by Ram. S. Gupta, Vincent Neary, HY Oct. 01, p891-892.

Price Current-Meter Standard Rating Development by the U.S. Geological Survey, E. F. Hubbard, G. E. Schwarz, K. G. Thibodeaux and Lisa M. Conge, HY Apr. 01, p250-257.

Streams
ASCE Compendium of Stream Stability and Bridge Scour Papers, Peter F. Lagaasse and Everett V. Richardson, HY July 01, p531-533.

Modification of Canal Flow due to Stream-Aquifer Interaction, A. M. Wasantha Lal, HY July 01, p567-576.

Moment-Based Calculation of Parameters for the Storage Zone Model for River Dispersion, Il Won Seo and Tae Sung Cheong, HY June 01, p453-465.

Structural stability
ASCE Compendium of Stream Stability and Bridge Scour Papers, Peter F. Lagaasse and Everett V. Richardson, HY July 01, p531-533.

Structures
Simulation and Identification of Organized Structures in Flows, edited by J.N. Sorenson, E. J. Hopfinger, and N. Aubry, Vladimir Nikora, HY Feb. 01, p171-172.

Students
A First Course in Fluid Mechanics for Civil Engineers by Donald D. Gray, Hector R. Bravo, HY Jan. 01, p88-89.

Hydraulic Design Example—Canal and Pipeline Inlet, John Finnie, HY Dec. 01, p1028-1035.

Teaching Hydraulic Design, John Finnie, HY Dec. 01, p983.

What Do Students Need in Hydraulic Design Projects? Peter T. Weiss and John S. Gulliver, HY Dec. 01, p984-991.

Subcritical flow
Choke-Free Flow in Ovoidal Sewers with Increase in Bed Elevations, K. Babaeyan-Koopaei, HY Feb. 01, p149-153.

Surface Roughness for Shallow Overland Flow on Crushed Stone Surfaces, Ana P. Barros and Jeremy D. Colello, HY Jan. 01, p38-52.

Submerged flow
Spatially Averaged Open-Channel Flow over Rough Bed, Vladimir Nikora, Derek Goring, Ian McEwan and George Griffiths, HY Feb. 01, p123-133.

Submerged Hydraulic Jumps below Abrupt Expansions, Iwao Ohtsu, Youichi Yasuda and Motoyasu Ishikawa, HY May 99, p492-499.

Submerging
Backward Flow Velocities of Submerged Hydraulic Jumps, Hans J. Leutheusser and Jerry J. Fan, HY June 01, p514-517.

Suction
Suction Removal of Sediment from between Armor Blocks, B. Mutlu Sumer, Sevket Cokgor and Jørgen Fredsøe, HY Apr. 01, p293-306.

Supercritical flow
Advances in Calculation Methods for Supercritical Flow in Spillway Channels, D. M. Causon, C. G. Mingham and D. M. Ingram, HY Oct. 99, p1039-1050.

Hydraulic Performance of Coanda-Effect Screens, Tony L. Wahl, P.E., HY June 01, p480-488.

Surface properties
Mudflow Rheology and Dynamics, by Philippe Coussot, Tim J. Ward, HY Apr. 01, p331-332.

Surface roughness
Cavitation Prevention with Roughened Surface, Meng-Xi Nie, HY Oct. 01, p878-880.

Surface Roughness for Shallow Overland Flow on Crushed Stone Surfaces, Ana P. Barros and Jeremy D. Colello, HY Jan. 01, p38-52.

Surge
Channel Routing in Open-Channel Flows with Surges, Ming-Hseng Tseng, Chiang-An Hsu and Chia R. Chu, HY Feb. 01, p115-122.

Suspended sediments
Equilibrium Near-Bed Concentration of Suspended Sediment, Zhixian Cao, HY Dec. 99, p1270-1278.

Field Techniques for Suspended-Sediment Measurement, D. G. Wren, B. D. Barkdoll, R. A. Kuhnle and R. W. Derrow, HY Feb. 00, p97-104.

In Situ Size Distribution of Suspended Sediment Particles in the Fraser River, Bommanna G. Krishnappan, HY Aug. 00, p561-569.

Large-Eddy Simulation of Sediment Transport: Currents over Ripples, Emily A. Zedler and Robert L. Street, HY June 01, p444-452.

Regression Residuals and Mean Profiles in Uniform Open-Channel Flows, D. A. Lyn, HY Jan. 00, p14-32.

Suspension
Desktop Method for Estimating Vessel-Induced Sediment Suspension, Trimbak M. Parchure, William H. McAnally, Jr. and Allen M. Teeter, HY July 01, p577-587.

Mudflow Rheology and Dynamics, by Philippe Coussot, Tim J. Ward, HY Apr. 01, p331-332.

Sweden
Neural Networks as Routine for Error Updating of Numerical Models, Vladan Babovic, Rafael Cañizares, H. René Jensen and Anders Klinting, HY Mar. 01, p181-193.

Teaching methods
Bibliography for Teaching Hydraulic Design, John Finnie, Kevin Nielsen, Walt Heyder and Rollin Hotchkiss, HY Dec. 01, p1052-1064.

Teaching Hydraulic Design, John Finnie, HY Dec. 01, p983.

Teaching Hydraulic Design Using Equation Solvers, Thomas K. Jewell, P.E., HY Dec. 01, p1013-1021.

Tests
3D Analytic Model for Testing Numerical Tidal Models, C. Li, HY Sept. 01, p709-717.

Thermal convection
Accurate Two-Dimensional Simulation of Advective-Diffusive-Reactive Transport, Dragoslav L. Stefanovic and Heinz G. Stefan, HY Sept. 01, p728-737.

Thermodynamics
Extended Thermodynamics Derivation of Energy Dissipation in Unsteady Pipe Flow, David H. Axworthy, Mohamed S. Ghidaoui and Duncan A. McInnis, HY Apr. 00, p276-287.

Thickness
Hydraulic Roughness of Breakup Ice Jams, Spyros Beltaos, HY Aug. 01, p650-656.

Three-dimensional flow
Experimental Study of 3D Pump-Intake Flows with and without Cross Flow, Matahel Ansar and Tatsuaki Nakato, HY Oct. 01, p825-834.

Experiments on Flow at a 90° Open-Channel Junction, Larry J. Weber, Eric D. Schumate and Nicola Mawer, HY May 01, p340-350.

Three-dimensional models
3D Analytic Model for Testing Numerical Tidal Models, C. Li, HY Sept. 01, p709-717.

3D Numerical Model in Orthogonal Curvilinear and Sigma Coordinate System for Pearl River Estuary, K. W. Chau and Y. W. Jiang, HY Jan. 01, p72-82.

Tides
3D Analytic Model for Testing Numerical Tidal Models, C. Li, HY Sept. 01, p709-717.

Evaluation of Numerical Models of Flood and Tide Propagation in Channels, Rodney J. Sobey, HY Oct. 01, p805-824.

Modeling Tidal Transport of Urban Runoff in Channels Using the Finite-Volume Method, Brett F. Sanders, Carrie L. Green, Allyson K. Chu and Stanley B. Grant, HY Oct. 01, p795-804.

Time series analysis
Case Study: Analysis and Forecasting of Salinity in Apalachicola Bay, Florida, Using Box-Jenkins ARIMA Models, Hongbing Sun and Manfred Koch, HY Sept. 01, p718-727.

Tractive forces
Grass-Lined Channels, A. Osman Akan and Willi Hager, HY Mar. 01, p236-237.

Training
Bibliography for Teaching Hydraulic Design, John Finnie, Kevin Nielsen, Walt Heyder and Rollin Hotchkiss, HY Dec. 01, p1052-1064.

New Engineer Training at Bureau of Reclamation, Walter E. Heyder, P.E., HY Dec. 01, p996-1001.

Transcritical flow
Channel Routing in Open-Channel Flows with Surges, Ming-Hseng Tseng, Chiang-An Hsu and Chia R. Chu, HY Feb. 01, p115-122.

Transient flow
Stability Analysis of Velocity Profiles in Water-Hammer Flows, M. S. Ghidaoui and A. A. Kolyshkin, HY June 01, p499-512.

Transport phenomena
Discrete Particle Distribution Model for Advection-Diffusion Transport, Manuel Costa and João S. Ferreira, HY July 00, p525-532.

Travel time
Predicting River Travel Time from Hydraulic Characteristics, Harvey E. Jobson, P.E., HY Nov. 01, p911-918.

Tunnels
Hydraulic Characteristics of Multistage Orifice Tunnels, Q. Y. Zhang and B. Q. Chai, HY Aug. 01, p663-668.

Turbidity
Impact of Turbidity Currents on Reservoir Sedimentation, Giovanni De Cesare, Anton Schleiss and Felix Hermann, HY Jan. 01, p6-16.

Turbine discharges
Turbine Discharge Measurement by the Velocity-Area Method, J. C. Doering and P. D. Hans, HY Sept. 01, p747-752.

Turbulence
3D Numerical Model in Orthogonal Curvilinear and Sigma Coordinate System for Pearl River Estuary, K. W. Chau and Y. W. Jiang, HY Jan. 01, p72-82.

3D Numerical Simulation of Deposition Patterns due to Sand Disposal in Flowing Water, C. W. Li and F. X. Ma, HY Mar. 01, p209-218.

Cavitation Prevention with Roughened Surface, Meng-Xi Nie, HY Oct. 01, p878-880.

Entrainment and Turbulence in Saline Underflow in Lake Ogawara, Chris J. Dallimore, Jörg Imberger and Tadaharu Ishikawa, HY Nov. 01, p937-948.

Mean Flow and Turbulence in Open-Channel Bend, Koen Blanckaert and Walter H. Graf, HY Oct. 01, p835-847.

Mean Flow and Turbulence Structure of Open-Channel Flow through Non-Emergent Vegetation, Fabián López and Marcelo H. García, HY May 01, p392-402.

Measurements of Turbulence Generated by Oscillating Grid, Nian-Sheng Cheng and Adrian Wing-Keung Law, HY Mar. 01, p201-208.

Review of k—ϵ Model to Analyze Oscillatory Boundary Layers, Ahmad Sana and Hitoshi Tanaka, HY Sept. 00, p701-710.

Turbulence Intensities of Shallow Rain-Impacted Flow over Rough Bed, Jau-Yau Lu, Jen-Yan Chen, Jian-Hao Hong, Tai-Fang Lu and Chia-Sheng Liu, HY Oct. 01, p881-886.

Turbulent flow
Aspects of Inlet Boundary Prescription for a Turbulent Flow Field, C. S. P. Ojha, S. Mandal and P. Bhargava, HY Aug. 01, p694-700.

Risk of Sediment Erosion and Suspension in Turbulent Flows, Fabian Lopez and Marcelo H. Garcia, HY Mar. 01, p231-235.

Spatially Averaged Open-Channel Flow over Rough Bed, Vladimir Nikora, Derek Goring, Ian McEwan and George Griffiths, HY Feb. 01, p123-133.

Unsteady Friction in Rough Pipes, Walter F. Silva-Araya and M. Hanif Chaudhry, HY July 01, p607-618.

Two phase flow
Two-Phase Flow Analysis of Concentration Profiles, Blair P. Greimann and Forrest M. Holly, Jr., HY Sept. 01, p753-762.

Two-dimensional analysis
Advances in Calculation Methods for Supercritical Flow in Spillway Channels, D. M. Causon, C. G. Mingham and D. M. Ingram, HY Oct. 99, p1039-1050.

Numerical Analysis of River Channel Processes with Bank Erosion, N. Nagata, T. Hosoda and Y. Muramoto, HY Apr. 00, p243-252.

Two-dimensional flow
Catastrophic Collapse of Water Supply Reservoirs in Urban Areas, Christopher Zoppou and Stephen Roberts, HY July 99, p686-695.

Two-dimensional models
Accurate Two-Dimensional Simulation of Advective-Diffusive-Reactive Transport, Dragoslav L. Stefanovic and Heinz G. Stefan, HY Sept. 01, p728-737.

Bend-Flow Simulation Using 2D Depth-Averaged Model, H. C. Lien, T. Y. Hsieh, J. C. Yang and K. C. Yeh, HY Oct. 99, p1097-1108.

Undergraduate study

Teaching Hydraulic Design in an Australian Undergraduate Civil Engineering Curriculum, H. Chanson, HY Dec. 01, p1002-1008.

Unsaturated flow

Unsaturated-Flow Simulation with Green Element Models, A. E. Taigbenu, HY Apr. 01, p307-312.

Unsteady flow

Catastrophic Collapse of Water Supply Reservoirs in Urban Areas, Christopher Zoppou and Stephen Roberts, HY July 99, p686-695.

Channel Routing in Open-Channel Flows with Surges, Ming-Hseng Tseng, Chiang-An Hsu and Chia R. Chu, HY Feb. 01, p115-122.

DORA Algorithm for Network Flow Models with Improved Stability and Convergence Properties, L. Noto and T. Tucciarelli, HY May 01, p380-391.

Experimental Simulation of a Vertical Round Jet Issuing into an Unsteady Cross-Flow, K. M. Lam and L. P. Xia, HY May 01, p369-379.

Extended Thermodynamics Derivation of Energy Dissipation in Unsteady Pipe Flow, David H. Axworthy, Mohamed S. Ghidaoui and Duncan A. McInnis, HY Apr. 00, p276-287.

Modeling of Mud/Debris Unsteady Flows, Ming Jin and D. L. Fread, HY Aug. 99, p827-834.

Rational Criterion for Designing Opening of Slit-Check Dam, Aronne Armanini and Michele Larcher, HY Feb. 01, p94-104.

Urban areas

DORA Algorithm for Network Flow Models with Improved Stability and Convergence Properties, L. Noto and T. Tucciarelli, HY May 01, p380-391.

Urban runoff

Modeling Tidal Transport of Urban Runoff in Channels Using the Finite-Volume Method, Brett F. Sanders, Carrie L. Green, Allyson K. Chu and Stanley B. Grant, HY Oct. 01, p795-804.

U.S. Geological Survey

Price Current-Meter Standard Rating Development by the U.S. Geological Survey, E. F. Hubbard, G. E. Schwarz, K. G. Thibodeaux and Lisa M. Conge, HY Apr. 01, p250-257.

Vanes

Use of Vanes for Control of Scour at Vertical Wall Abutments, P. A. Johnson, R. D. Hey and M. Tessier, HY Sept. 01, p772-778.

Vegetation

Mean Flow and Turbulence Structure of Open-Channel Flow through Non-Emergent Vegetation, Fabían López and Marcelo H. García, HY May 01, p392-402.

Variation of Roughness Coefficients for Unsubmerged and Submerged Vegetation, Fu-Chun Wu, Hsieh Wen Shen and Yi-Ju Chou, HY Sept. 99, p934-942.

Velocity

Backward Flow Velocities of Submerged Hydraulic Jumps, Hans J. Leutheusser and Jerry J. Fan, HY June 01, p514-517.

Critical Flow Velocity in Slurry Transporting Horizontal Pipelines, Mehmet Ali Kökpinar and Mustafa Göğüs, HY Sept. 01, p763-771.

Effect of Particle Shape on Fall Velocity of Angular Particles, M. Göğüs, Ö. N. İpekçi and M. A. Kökpinar, HY Oct. 01, p860-869.

Large-Eddy Simulation of Sediment Transport: Currents over Ripples, Emily A. Zedler and Robert L. Street, HY June 01, p444-452.

Price Current-Meter Standard Rating Development by the U.S. Geological Survey, E. F. Hubbard, G. E. Schwarz, K. G. Thibodeaux and Lisa M. Conge, HY Apr. 01, p250-257.

Turbine Discharge Measurement by the Velocity-Area Method, J. C. Doering and P. D. Hans, HY Sept. 01, p747-752.

Velocity distribution

Spatially Averaged Open-Channel Flow over Rough Bed, Vladimir Nikora, Derek Goring, Ian McEwan and George Griffiths, HY Feb. 01, p123-133.

Velocity gradient

Gauckler and the GMS Formula, Willi H. Hager, HY Aug. 01, p635-638.

Velocity profile

Measurements of Turbulence Generated by Oscillating Grid, Nian-Sheng Cheng and Adrian Wing-Keung Law, HY Mar. 01, p201-208.

Regression Residuals and Mean Profiles in Uniform Open-Channel Flows, D. A. Lyn, HY Jan. 00, p14-32.

Stability Analysis of Velocity Profiles in Water-Hammer Flows, M. S. Ghidaoui and A. A. Kolyshkin, HY June 01, p499-512.

Vertical oscillations

Measurements of Turbulence Generated by Oscillating Grid, Nian-Sheng Cheng and Adrian Wing-Keung Law, HY Mar. 01, p201-208.

Viscoplasticity

1D Numerical Model of Muddy Subaqueous and Subaerial Debris Flows, Jasim Imran, Gary Parker, Jacques Locat and Homa Lee, HY Nov. 01, p959-968.

Viscosity

Mean Flow and Turbulence Structure of Open-Channel Flow through Non-Emergent Vegetation, Fabían López and Marcelo H. García, HY May 01, p392-402.

Volume measure

Volume Conservation in Variable Parameter Muskingum-Cunge Method, Xiao-Nan Tang, Donald W. Knight and Paul G. Samuels, HY June 99, p610-620.

Vortices

Experimental Study of 3D Pump-Intake Flows with and without Cross Flow, Matahel Ansar and Tatsuaki Nakato, HY Oct. 01, p825-834.

Wastewater disposal

Modeling Mamala Bay Outfall Plumes. I: Near Field, Philip J. W. Roberts, HY June 99, p564-573.

Modeling Mamala Bay Outfall Plumes. II: Far Field, Philip J. W. Roberts, HY June 99, p574-583.

Water

Editor's Note, Robert Ettema, HY Jan. 01, p2.

Water circulation

Role of Bed Discordance at Asymmetrical River Confluences, K. F. Bradbrook, S. N. Lane, K. S. Richards, P. M. Biron and A. G. Roy, HY May 01, p351-368.

Water distribution

Calibration Assessment and Data Collection for Water Distribution Networks, K. E. Lansey, W. El-Shorbagy, I. Ahmed, J. Araujo and C. T. Haan, HY Apr. 01, p270-279.

Water flow

Computations of Curved Free Surface Water Flow on Spiral Concentrators, B. W. Matthews, C. A. J. Fletcher, A. C. Partridge and S. Vasquez, HY Nov. 99, p1126-1139.

Turbulence Intensities of Shallow Rain-Impacted Flow over Rough Bed, Jau-Yau Lu, Jen-Yan Chen, Jian-Hao Hong, Tai-Fang Lu and Chia-Sheng Liu, HY Oct. 01, p881-886.

Water hammer

Stability Analysis of Velocity Profiles in Water-Hammer Flows, M. S. Ghidaoui and A. A. Kolyshkin, HY June 01, p499-512.

Water quality

Estimating Stratification in Shallow Water Bodies from Mean Meteorological Conditions, S. A. Condie and I. T. Webster, HY Apr. 01, p286-292.

Field Experiments to Determine Gas Transfer at Gated Sills, A. L. Urban, S. L. Hettiarachchi, K. F. Miller, G. P. Kincaid and J. S. Gulliver, HY Oct. 01, p848-859.

Unsteady-State Inverse Chlorine Modeling in Pipe Networks, A. S. Al-Omari and M. H. Chaudhry, HY Aug. 01, p669-677.

Water resources

Multilayered Aquifer Systems: Fundamentals and Applications, by Alexander H. D. Cheng, Randall W. Gentry, HY May 01, p435-436.

Water supply

Catastrophic Collapse of Water Supply Reservoirs in Urban Areas, Christopher Zoppou and Stephen Roberts, HY July 99, p686-695.

Water tanks

Measurements of Turbulence Generated by Oscillating Grid, Nian-Sheng Cheng and Adrian Wing-Keung Law, HY Mar. 01, p201-208.

Water waves

Catastrophic Collapse of Water Supply Reservoirs in Urban Areas, Christopher Zoppou and Stephen Roberts, HY July 99, p686-695.

Scour around Pile in Combined Waves and Current, B. Mutlu Sumer and Jørgen Fredsøe, HY May 01, p403-411.

Wave dispersion

Longitudinal Dispersion Coefficient in Straight Rivers, Zhi-Qiang Deng, Vijay P. Singh and Lars Bengtsson, HY Nov. 01, p919-927.

Wave propagation

Dam-Break Waves in Power-Law Channel Section, Barbara Zanuttigh and Alberto Lamberti, HY Apr. 01, p322-326.

Evaluation of Numerical Models of Flood and Tide Propagation in Channels, Rodney J. Sobey, HY Oct. 01, p805-824.

Wave velocity

Scour around Pile in Combined Waves and Current, B. Mutlu Sumer and Jørgen Fredsøe, HY May 01, p403-411.

Wells

Identifying Impervious Boundary and Aquifer Parameters from Pump-Test Data, Sushil K. Singh, HY Apr. 01, p280-285.

Wetlands

Estimating Stratification in Shallow Water Bodies from Mean Meteorological Conditions, S. A. Condie and I. T. Webster, HY Apr. 01, p286-292.

AUTHOR INDEX

Adamkowski, Adam
Case Study: Lapino Powerplant Penstock Failure, HY July 01, p547-555

Agarwal, V. C.
disc. (of Bed-Form Geometry in Sand-Bed Flows, by Fazle Karim, HY Dec. 99, p1253-1261) with K. G. Ranga Raju and R. J. Garde, HY May 01, p433-434

Ahmed, I.
see Lansey, K. E., HY Apr. 01, p270-279

Akan, A. Osman
Grass-Lined Channels, with Willi Hager, HY Mar. 01, p236-237

Al-Omari, A. S.
Unsteady-State Inverse Chlorine Modeling in Pipe Networks, with M. H. Chaudhry, HY Aug. 01, p669-677

Anderson, Jerry L., P.E.
see Gentry, Randall W., P.E., HY Sept. 01, p738-746

Ansar, Matahel
Experimental Study of 3D Pump-Intake Flows with and without Cross Flow, with Tatsuaki Nakato, HY Oct. 01, p825-834

Araujo, J.
see Lansey, K. E., HY Apr. 01, p270-279

Armanini, Aronne
Rational Criterion for Designing Opening of Slit-Check Dam, with Michele Larcher, HY Feb. 01, p94-104

Axworthy, David H.
Extended Thermodynamics Derivation of Energy Dissipation in Unsteady Pipe Flow, with Mohamed S. Ghidaoui and Duncan A. McInnis, HY Apr. 00, p276-287
disc: Giuseppe Pezzinga, HY Oct. 01, p888
clo: HY Oct. 01, p888-890

Babaeyan-Koopaei, K.
Choke-Free Flow in Ovoidal Sewers with Increase in Bed Elevations, HY Feb. 01, p149-153

Babovic, Vladan
Neural Networks as Routine for Error Updating of Numerical Models, with Rafael Cañizares, H. René Jensen and Anders Klinting, HY Mar. 01, p181-193

Barber, Michael E.
see Hotchkiss, Rollin H., HY Dec. 01, p1036-1040

Barkdoll, B. D.
see Wren, D. G., HY Feb. 00, p97-104

Barros, Ana P.
Surface Roughness for Shallow Overland Flow on Crushed Stone Surfaces, with Jeremy D. Colello, HY Jan. 01, p38-52

Barua, Dilip K.
disc. (of Field Techniques for Suspended-Sediment Measurement, by D. G. Wren, B. D. Barkdoll, R. A. Kuhnle and R. W. Derrow, HY Feb. 00, p97-104), HY Sept. 01, p784-785
disc. (of In Situ Size Distribution of Suspended Sediment Particles in the Fraser River, by Bommanna G. Krishnappan, HY Aug. 00, p561-569), HY Nov. 01, p981

Beltaos, Spyros
Hydraulic Roughness of Breakup Ice Jams, HY Aug. 01, p650-656

Bengtsson, Lars
see Deng, Zhi-Qiang, HY Nov. 01, p919-927

Bereciartua, P.
see Neary, V. S., HY Nov. 01, p901-910

Berger, R. C.
see Burg, Clarence O. E., HY Jan. 01, p62-70

Bhargava, P.
see Ojha, C. S. P., HY Aug. 01, p694-700

Biron, P. M.
see Bradbrook, K. F., HY May 01, p351-368

Blanckaert, K.
disc. (of Bend-Flow Simulation Using 2D Depth-Averaged Model, by H. C. Lien, T. Y. Hsieh, J. C. Yang and K. C. Yeh, HY Oct. 99, p1097-1108), HY Feb. 01, p167-170

Blanckaert, Koen
Mean Flow and Turbulence in Open-Channel Bend, with Walter H. Graf, HY Oct. 01, p835-847

Boes, Robert M.
disc. (of Characteristics of Skimming Flow over Stepped Spillways, by M. R. Chamani and N. Rajaratnam, HY Apr. 99, p361-368), HY Nov. 00, p860-862

Bombardelli, Fabián A.
disc. (of Computations of Curved Free Surface Water Flow on Spiral Concentrators, by B. W. Matthews, C. A. J. Fletcher, A. C. Partridge and S. Vasquez, HY Nov. 99, p1126-1139) with C. William Hirt and Marcelo H. García, HY July 01, p629-631

Bradbrook, K. F.
Role of Bed Discordance at Asymmetrical River Confluences, with S. N. Lane, K. S. Richards, P. M. Biron and A. G. Roy, HY May 01, p351-368

Bravo, Hector R.
A First Course in Fluid Mechanics for Civil Engineers by Donald D. Gray, HY Jan. 01, p88-89

Briaud, Jean-Louis
see Ting, C. K., HY Nov. 01, p969-978

Brinke, Wilfried B. M. Ten
see Kleinhans, Maarten G., HY Apr. 01, p258-269

Brooks, Norman H.
Forum: Vito Vanoni (1904-1999): A Leader in Sedimentation Engineering, HY Mar. 01, p175-179

Burg, Clarence O. E.
Efficient, Robust Design Tool for Open-Channel Flow, with David H. Huddleston and R. C. Berger, HY Jan. 01, p62-70

Busnelli, Marcela M.
Numerical Morphological Modeling of Open-Check Dams, with Guus S. Stelling and Michele Larcher, HY Feb. 01, p105-114

Camp, Charles V.
see Gentry, Randall W., P.E., HY Sept. 01, p738-746

Cañizares, Rafael
see Babovic, Vladan, HY Mar. 01, p181-193

Cao, Zhixian
Equilibrium Near-Bed Concentration of Suspended Sediment, HY Dec. 99, p1270-1278
disc: D. Hurther and U. Lemmin, HY May 01, p430-433
Equilibrium Near-Bed Concentration of Suspended Sediment, HY Dec. 99, p1270-1278
clo: HY May 01, p433

Causon, D. M.
Advances in Calculation Methods for Supercritical Flow in Spillway Channels, with C. G. Mingham and D. M. Ingram, HY Oct. 99, p1039-1050
disc: Susanne Krüger and Peter Rutschmann, HY Apr. 01, p328-329
clo: HY Apr. 01, p329-330

Chai, B. Q.
see Zhang, Q. Y., HY Aug. 01, p663-668

Chamani, M. R.
Characteristics of Skimming Flow over Stepped Spillways, with N. Rajaratnam, HY Apr. 99, p361-368
disc: Robert M. Boes, HY Nov. 00, p860-862
disc: Hubert Chanson, HY Nov. 00, p862-865
disc: Jorge Matos, HY Nov. 00, p865-869
disc: L. Ohtsu, Y. Yasuda and M. Takahashi, HY Nov. 00, p869-871
disc: Sandip P. Tatewar, Ramesh N. Ingle and Prakash D. Porey, HY Nov. 00, p871-872
clo: HY Nov. 00, p872-873
err: HY Jan. 01, p90
Onset of Skimming Flow on Stepped Spillways, with N. Rajaratnam, HY Sept. 99, p969-971
disc: C. S. James, HY June 01, p519
disc: Jorge Matos, HY June 01, p519-521
disc: Iwao Ohtsu, Youichi Yasuda and Masayuki Takahashi, HY June 01, p522-524
disc: Sandip P. Tatewar, Ramesh N. Ingle and Prakash D. Porey, HY June 01, p524
clo: HY June 01, p524-525

Chandler, J. H.
see Lane, S. N., HY Oct. 01, p871-877

Chanson, H.
Teaching Hydraulic Design in an Australian Undergraduate Civil Engineering Curriculum, HY Dec. 01, p1002-1008

Chanson, Hubert
disc. (of Characteristics of Skimming Flow over Stepped Spillways, by M. R. Chamani and N. Rajaratnam, HY Apr. 99, p361-368), HY Nov. 00, p862-865

Chau, K. W.
3D Numerical Model in Orthogonal Curvilinear and Sigma Coordinate System for Pearl River Estuary, with Y. W. Jiang, HY Jan. 01, p72-82

Chaudhry, M. H.
see Al-Omari, A. S., HY Aug. 01, p669-677

Chaudhry, M. Hanif
see Mpesha, Witness, HY Feb. 01, p134-147
see Silva-Araya, Walter F., HY July 01, p607-618

Chen, H. C.
see Ting, C. K., HY Nov. 01, p969-978

Chen, Jen-Yan
see Lu, Jau-Yau, HY Oct. 01, p881-886

Cheng, Nian-Sheng
Measurements of Turbulence Generated by Oscillating Grid, with Adrian Wing-Keung Law, HY Mar. 01, p201-208

Cheong, Tae Sung
see Seo, Il Won, HY June 01, p453-465

Chou, Yi-Ju
see Wu, Fu-Chun, HY Sept. 99, p934-942

Chu, Allyson K.
see Sanders, Brett F., HY Oct. 01, p795-804

Chu, Chia R.
see Tseng, Ming-Hseng, HY Feb. 01, p115-122

Cokgor, Sevket
see Sumer, B. Mutlu, HY Apr. 01, p293-306

Colello, Jeremy D.
see Barros, Ana P., HY Jan. 01, p38-52

Coleman, Stephen E.
New Zealand Bridge Scour, with Bruce W. Melville, HY July 01, p535-546

Condie, S. A.
Estimating Stratification in Shallow Water Bodies from Mean Meteorological Conditions, with I. T. Webster, HY Apr. 01, p286-292

Conge, Lisa M.
see Hubbard, E. F., HY Apr. 01, p250-257

Costa, Manuel
Discrete Particle Distribution Model for Advection-Diffusion Transport, with João S. Ferreira, HY July 00, p525-532
disc: Wang Dian-chang, Wang Xing-kui, Yu Ming-zhong and Li Dan-xun, HY Nov. 01, p980
clo: HY Nov. 01, p980-981

Cunge, Jean A.
disc. (of Volume Conservation in Variable Parameter Muskingum-Cunge Method, by Xiao-Nan Tang, Donald W. Knight and Paul G. Samuels, HY June 99, p610-620), HY Mar. 01, p239

Curtis, Steve
see French, Richard H., HY Sept. 01, p780-782

Dallimore, Chris J.
Entrainment and Turbulence in Saline Underflow in Lake Ogawara, with Jörg Imberger and Tadaharu Ishikawa, HY Nov. 01, p937-948

Dan-xun, Li
see Dian-chang, Wang, (disc), HY July 00, p525-532

Daviero, Greg
see Roberts, Philip J. W., HY Mar. 01, p194-200

De Cesare, Giovanni
Impact of Turbidity Currents on Reservoir Sedimentation, with Anton Schleiss and Felix Hermann, HY Jan. 01, p6-16

Del Giudice, Giuseppe
see Hager, Willi H., (disc), HY Dec. 99, p1309-1312

Deng, Zhi-Qiang
Longitudinal Dispersion Coefficient in Straight Rivers, with Vijay P. Singh and Lars Bengtsson, HY Nov. 01, p919-927

Derrow, R. W.
see Wren, D. G., HY Feb. 00, p97-104

Dian-chang, Wang
disc. (of Discrete Particle Distribution Model for Advection-Diffusion Transport, by Manuel Costa and João S. Ferreira, HY July 00, p525-532) with Wang Xing-kui, Yu Ming-zhong and Li Dan-xun, HY Nov. 01, p980

Diwanji, Vasant N.
see Patil, Ramappa G., HY July 01, p624-625

Doering, J. C.
Turbine Discharge Measurement by the Velocity-Area Method, with P. D. Hans, HY Sept. 01, p747-752

Doyle, Martin W.
disc. (of Rapid Assessment of Channel Stability in Vicinity of Road Crossing, by Peggy A. Johnson, Gary L. Gleason and Richard D. Hey, HY June 99, p645-651) with Jon M. Harbor, HY Jan. 01, p85-87

Duan, Jennifer G.
disc. (of Numerical Analysis of River Channel Processes with Bank Erosion, by N. Nagata, T. Hosoda and Y. Muramoto, HY Apr. 00, p243-252), HY Aug. 01, p702-703

El-Shorbagy, W.
see Lansey, K. E., HY Apr. 01, p270-279

Ettema, Robert
Awards and Recognitions, HY June 01, p437
Editorial, HY Jan. 01, p1
Editorial, HY May 01, p333-334
Editorial: Case-Study Papers; Three Veterans (Bruce Larock, Bruce Melville and Anand Prakash), HY July 01, p529-530
Editorial: Further Introduction of Associate Editors, HY Nov. 01, p893-894
Editorial: Review/Tutorial Papers, HY Oct. 01, p789-791
Editor's Note, HY Jan. 01, p2
see Kubit, Owen, HY June 01, p489-498
see Liggett, James A., HY Dec. 01, p1041-1051

Fan, Jerry J.
see Leutheusser, Hans J., HY June 01, p514-517

Ferreira, João S.
see Costa, Manuel, HY July 00, p525-532

Finnie, John
Bibliography for Teaching Hydraulic Design, with Kevin Nielsen, Walt Heyder and Rollin Hotchkiss, HY Dec. 01, p1052-1064
Hydraulic Design Example—Canal and Pipeline Inlet, HY Dec. 01, p1028-1035
Teaching Hydraulic Design, HY Dec. 01, p983

Fletcher, C. A. J.
see Matthews, B. W., HY Nov. 99, p1126-1139

Fread, D. L.
see Jin, Ming, HY Aug. 99, p827-834

Fredsøe, Jørgen
see Sumer, B. Mutlu, HY Apr. 01, p293-306
see Sumer, B. Mutlu, HY May 01, p403-411

French, Richard H.
Estimating the Depth of Deposition (Erosion) at Slope Transitions on Alluvial Fans, with Julianne J. Miller and Steve Curtis, HY Sept. 01, p780-782

Gaines, Roger A.
Micro-Sale Loose-Bed Hydraulic Models, with Stephen T. Maynord, HY May 01, p335-338

Garcia, Marcelo H.
see Lopez, Fabian, HY Mar. 01, p231-235

García, Marcelo H.
see López, Fabían, HY May 01, p392-402
see Bombardelli, Fabián A., (disc), HY Nov. 99, p1126-1139

Garde, R. J.
see Agarwal, V. C., (disc), HY Dec. 99, p1253-1261

Gassman, Sarah L.
see Mpesha, Witness, HY Feb. 01, p134-147

Gentry, Randall W.
Multilayered Aquifer Systems: Fundamentals and Applications, by Alexander H. D. Cheng, HY May 01, p435-436

Gentry, Randall W., P.E.
Use of GA to Determine Areas of Accretion to Semi-confined Aquifer, with Charles V. Camp and Jerry L. Anderson, P.E., HY Sept. 01, p738-746

Ghidaoui, M. S.
Stability Analysis of Velocity Profiles in Water-Hammer Flows, with A. A. Kolyshkin, HY June 01, p499-512

Ghidaoui, Mohamed S.
see Axworthy, David H., HY Apr. 00, p276-287

Gleason, Gary L.
see Johnson, Peggy A., HY June 99, p645-651

Göğüş, M.
Effect of Particle Shape on Fall Velocity of Angular Particles, with O. N. İpekçi and M. A. Kökpinar, HY Oct. 01, p860-869

Göğüs, Mustafa
see Kökpinar, Mehmet Ali, HY Sept. 01, p763-771

Goodwin, Peter
NATO Workshop: New Paradigms in River and Estuarine Management, HY Oct. 01, p792-793

Goring, Derek
see Nikora, Vladimir, HY Feb. 01, p123-133

Graber, S. David
disc. (of Submerged Hydraulic Jumps below Abrupt Expansions, by Iwao Ohtsu, Youichi Yasuda and Motoyasu Ishikawa, HY May 99, p492-499), HY Jan. 01, p84

Grace, R. A.
disc. (of Modeling Mamala Bay Outfall Plumes. I: Near Field, by Philip J. W. Roberts, HY June 99, p564-573), HY Feb. 01, p159-161
disc. (of Modeling Mamala Bay Outfall Plumes. II: Far Field, by Philip J. W. Roberts, HY June 99, p574-583), HY Feb. 01, p163-164

Graf, Walter H.
see Blanckaert, Koen, HY Oct. 01, p835-847

Grant, Stanley B.
see Sanders, Brett F., HY Oct. 01, p795-804

Green, Carrie L.
see Sanders, Brett F., HY Oct. 01, p795-804

Greimann, Blair P.
Two-Phase Flow Analysis of Concentration Profiles, with Forrest M. Holly, Jr., HY Sept. 01, p753-762

Griffiths, George
see Nikora, Vladimir, HY Feb. 01, p123-133

Gudavalli, Rao
see Ting, C. K., HY Nov. 01, p969-978

Gulliver, J. S.
see Urban, A. L., HY Oct. 01, p848-859

Gulliver, John S.
see Weiss, Peter T., HY Dec. 01, p984-991

Haan, C. T.
see Lansey, K. E., HY Apr. 01, p270-279

Hager, Willi
see Akan, A. Osman, HY Mar. 01, p236-237

Hager, Willi H.
Forum: Karl Emil Hilgard: Swiss Hydraulician and Sponsor of ASCE Paper Award, HY Feb. 01, p91-92
Gauckler and the GMS Formula, HY Aug. 01, p635-638
disc. (of Movable Bed Roughness in Alluvial Rivers, by Weiming Wu and Sam S. Y. Wang, HY Dec. 99, p1309-1312) with Giuseppe Del Giudice, HY July 01, p627-628

Hagerty, D. J.
Seepage Effects in Some Riprap Revetments, with A. C. Parola, HY July 01, p556-566

Hans, P. D.
see Doering, J. C., HY Sept. 01, p747-752

Harbor, Jon M.
see Doyle, Martin W., (disc), HY June 99, p645-651

Heald, John
see McEwan, Ian, HY July 01, p588-597

Hermann, Felix
see De Cesare, Giovanni, HY Jan. 01, p6-16

Hess, Amanda J.
see Johnson, Peggy A., HY Feb. 01, p154-157

Hettiarachchi, S. L.
see Urban, A. L., HY Oct. 01, p848-859

Hey, R. D.
see Johnson, P. A., HY Sept. 01, p772-778

Hey, Richard D.
see Johnson, Peggy A., HY June 99, p645-651
see Johnson, Peggy A., HY Feb. 01, p154-157

Heyder, Walt
see Finnie, John, HY Dec. 01, p1052-1064

Heyder, Walter E., P.E.
New Engineer Training at Bureau of Reclamation, HY Dec. 01, p996-1001

Hirt, C. William
see Bombardelli, Fabián A., (disc), HY Nov. 99, p1126-1139

Hodges, Ben R.
Simple Curvilinear Method for Numerical Models of Open Channels, with Jorg Imberger, HY Nov. 01, p949-958

Holly, Forrest M., Jr.
see Greimann, Blair P., HY Sept. 01, p753-762

Hong, Jian-Hao
see Lu, Jau-Yau, HY Oct. 01, p881-886

Horst, Michael W.
see Johnson, Peggy A., HY Feb. 01, p154-157

Hosoda, T.
see Nagata, N., HY Apr. 00, p243-252

Hotchkiss, Rollin
see Finnie, John, HY Dec. 01, p1052-1064

Hotchkiss, Rollin H.
Flow over a "Killer" Weir Design Project, HY Dec. 01, p1022-1027
Hydraulic Engineering Education: Evolving to Meet Needs, with Michael E. Barber and A. N. Papanicolaou, HY Dec. 01, p1036-1040

Hsieh, T. Y.
see Lien, H. C., HY Oct. 99, p1097-1108

Hsu, Chiang-An
see Tseng, Ming-Hseng, HY Feb. 01, p115-122

Hsu, Shaohua Marko
see Shieh, Chjeng-Lun, HY Jan. 01, p17-29

Hubbard, E. F.
Price Current-Meter Standard Rating Development by the U.S. Geological Survey, with G. E. Schwarz, K. G. Thibodeaux and Lisa M. Conge, HY Apr. 01, p250-257

Huddleston, David H.
see Burg, Clarence O. E., HY Jan. 01, p62-70

Hurther, D.
disc. (of Equilibrium Near-Bed Concentration of Suspended Sediment, by Zhixian Cao, HY Dec. 99, p1270-1278) with U. Lemmin, HY May 01, p430-433

Imberger, Jörg
see Dallimore, Chris J., HY Nov. 01, p937-948

Imberger, Jorg
see Hodges, Ben R., HY Nov. 01, p949-958

Imran, Jasim
1D Numerical Model of Muddy Subaqueous and Subaerial Debris Flows, with Gary Parker, Jacques Locat and Homa Lee, HY Nov. 01, p959-968

Ingle, Ramesh N.
see Tatewar, Sandip P., (disc), HY Apr. 99, p361-368
see Tatewar, Sandip P., (disc), HY Sept. 99, p969-971

Ingram, D. M.
see Causon, D. M., HY Oct. 99, p1039-1050

İpekçi, O. N.
see Göğüş, M., HY Oct. 01, p860-869

Ishikawa, Motoyasu
see Ohtsu, Iwao, HY May 99, p492-499

Ishikawa, Tadaharu
see Dallimore, Chris J., HY Nov. 01, p937-948

Jaffe, David A.
Engineered Levee Breaches for Flood Mitigation, with Brett F. Sanders, HY June 01, p471-479

Jain, Sharad Kumar
Development of Integrated Sediment Rating Curves Using ANNs, HY Jan. 01, p30-37

Jain, Subhash C.
Forum: Alternate-Depth Equation Revived, HY Sept. 01, p707

James, C. S.
disc. (of Onset of Skimming Flow on Stepped Spillways, by M. R. Chamani and N. Rajaratnam, HY Sept. 99, p969-971), HY June 01, p519

Jensen, H. René
see Babovic, Vladan, HY Mar. 01, p181-193

Jewell, Thomas K., P.E.
Teaching Hydraulic Design Using Equation Solvers, HY Dec. 01, p1013-1021

Jia, Yafei
Simulation of Scour Process in Plunging Pool of Loose Bed-Material, with Tadanori Kitamura and Sam S. Y. Wang, HY Mar. 01, p219-229

Jiang, Y. W.
see Chau, K. W., HY Jan. 01, p72-82

Jin, Ming
Modeling of Mud/Debris Unsteady Flows, with D. L. Fread, HY Aug. 99, p827-834
disc: M. Grant Webby, HY Feb. 01, p166-167

Jobson, Harvey E., P.E.
Predicting River Travel Time from Hydraulic Characteristics, HY Nov. 01, p911-918

Johnson, Michael C.
see Savage, Bruce M., HY Aug. 01, p640-649

Johnson, P. A.
Use of Vanes for Control of Scour at Vertical Wall Abutments, with R. D. Hey and M. Tessier, HY Sept. 01, p772-778

Johnson, Peggy A.
Aggradation at Bridges, with Richard D. Hey, Michael W. Horst and Amanda J. Hess, HY Feb. 01, p154-157
Rapid Assessment of Channel Stability in Vicinity of Road Crossing, with Gary L. Gleason and Richard D. Hey, HY June 99, p645-651
disc: Martin W. Doyle and Jon M. Harbor, HY Jan. 01, p85-87

Jones, J. Sterling
Bridge Hydraulics by Les Hamill, HY July 01, p632-633

Karim, Fazle
Bed-Form Geometry in Sand-Bed Flows, HY Dec. 99, p1253-1261
disc: V. C. Agarwal, K. G. Ranga Raju and R. J. Garde, HY May 01, p433-434

Khatibi, Rahman
Some Issues in Computational Hydraulics Practice, HY June 01, p438-442

Khatibi, Rahman H.
Sample Size Determination in Open Channel Inverse Problems, HY Aug. 01, p678-688

Khatsuria, Rajnikant M.
see Patil, Ramappa G., HY July 01, p624-625

Kim, Dong Soo
see Seo, Il Won, HY Jan. 01, p53-61

Kim, Hong Sik
see Seo, Il Won, HY Jan. 01, p53-61

Kincaid, G. P.
see Urban, A. L., HY Oct. 01, p848-859

Kitamura, Tadanori
see Jia, Yafei, HY Mar. 01, p219-229

Kleinhans, Maarten G.
Accuracy of Cross-Channel Sampled Sediment Transport in Large Sand-Gravel-Bed Rivers, with Wilfried B. M. Ten Brinke, HY Apr. 01, p258-269
Accuracy of Cross-Channel Sampled Sediment Transport in Large Sand-Gravel-Bed Rivers, with Wilfried B. M. Ten Brinke, HY Apr. 01, p258-269
err: HY July 01, p634

Klinting, Anders
see Babovic, Vladan, HY Mar. 01, p181-193

Knight, Donald W.
see Tang, Xiao-Nan, HY June 99, p610-620

Koch, Manfred
see Sun, Hongbing, HY Sept. 01, p718-727

Kökpinar, M. A.
see Göğüş, M., HY Oct. 01, p860-869

Kökpinar, Mehmet Ali
Critical Flow Velocity in Slurry Transporting Horizontal Pipelines, with Mustafa Göğüs, HY Sept. 01, p763-771

Kolyshkin, A. A.
see Ghidaoui, M. S., HY June 01, p499-512

Krishnappan, Bommanna G.
In Situ Size Distribution of Suspended Sediment Particles in the Fraser River, HY Aug. 00, p561-569
disc: Dilip K. Barua, HY Nov. 01, p981
clo: HY Nov. 01, p982

Krüger, Susanne
disc. (of Advances in Calculation Methods for Supercritical Flow in Spillway Channels, by D. M. Causon, C. G. Mingham and D. M. Ingram, HY Oct. 99, p1039-1050) with Peter Rutschmann, HY Apr. 01, p328-329

Kubit, Owen
Debris- and Ice-Skimming Booms at Riverside Diversions, with Robert Ettema, HY June 01, p489-498

Kuhnle, R. A.
see Wren, D. G., HY Feb. 00, p97-104

Lagaasse, Peter F.
ASCE Compendium of Stream Stability and Bridge Scour Papers, with Everett V. Richardson, HY July 01, p531-533

Lal, A. M. Wasantha
Modification of Canal Flow due to Stream-Aquifer Interaction, HY July 01, p567-576

Lam, K. M.
Experimental Simulation of a Vertical Round Jet Issuing into an Unsteady Cross-Flow, with L. P. Xia, HY May 01, p369-379

Lamberti, Alberto
see Zanuttigh, Barbara, HY Apr. 01, p322-326

Lane, S. N.
Monitoring River Channel and Flume Surfaces with Digital Photogrammetry, with J. H. Chandler and K. Porfiri, HY Oct. 01, p871-877
see Bradbrook, K. F., HY May 01, p351-368

Lansey, K. E.
Calibration Assessment and Data Collection for Water Distribution Networks, with W. El-Shorbagy, I. Ahmed, J. Araujo and C. T. Haan, HY Apr. 01, p270-279

Larcher, Michele
see Armanini, Aronne, HY Feb. 01, p94-104
see Busnelli, Marcela M., HY Feb. 01, p105-114

Lauchlan, Christine S.
Riprap Protection at Bridge Piers, with Bruce W. Melville, HY May 01, p412-418

Law, Adrian Wing-Keung
see Cheng, Nian-Sheng, HY Mar. 01, p201-208

Lee, Homa
see Imran, Jasim, HY Nov. 01, p959-968

Lehmann, D.
see Uijttewaal, W. S. J., HY Nov. 01, p928-936

Lemmin, U.
see Hurther, D., (disc), HY Dec. 99, p1270-1278
see Shen, C., (disc), HY Feb. 00, p97-104

Leutheusser, Hans J.
Backward Flow Velocities of Submerged Hydraulic Jumps, with Jerry J. Fan, HY June 01, p514-517

Li, C.
3D Analytic Model for Testing Numerical Tidal Models, HY Sept. 01, p709-717

Li, C. W.
3D Numerical Simulation of Deposition Patterns due to Sand Disposal in Flowing Water, with F. X. Ma, HY Mar. 01, p209-218

Lien, H. C.
Bend-Flow Simulation Using 2D Depth-Averaged Model, with T. Y. Hsieh, J. C. Yang and K. C. Yeh, HY Oct. 99, p1097-1108
disc: K. Blanckaert, HY Feb. 01, p167-170

Liggett, James A.
Civil–Engineering Education: Alternative Paths, with Robert Ettema, HY Dec. 01, p1041-1051

Litrico, Xavier
Nonlinear Diffusive Wave Modeling and Identification of Open Channels, HY Apr. 01, p313-320

Liu, Chia-Sheng
see Lu, Jau-Yau, HY Oct. 01, p881-886

Locat, Jacques
see Imran, Jasim, HY Nov. 01, p959-968

López, Fabián
Mean Flow and Turbulence Structure of Open-Channel Flow through Non-Emergent Vegetation, with Marcelo H. García, HY May 01, p392-402

Lopez, Fabian
Risk of Sediment Erosion and Suspension in Turbulent Flows, with Marcelo H. Garcia, HY Mar. 01, p231-235

Lu, Jau-Yau
Turbulence Intensities of Shallow Rain-Impacted Flow over Rough Bed, with Jen-Yan Chen, Jian-Hao Hong, Tai-Fang Lu and Chia-Sheng Liu, HY Oct. 01, p881-886

Lu, Tai-Fang
see Lu, Jau-Yau, HY Oct. 01, p881-886

Lyn, D. A.
Regression Residuals and Mean Profiles in Uniform Open-Channel Flows, HY Jan. 00, p14-32
disc: M. Muste, HY Aug. 01, p703-705
clo: HY Aug. 01, p705

Ma, F. X.
see Li, C. W., HY Mar. 01, p209-218

Maile, Karen
see Roberts, Philip J. W., HY Mar. 01, p194-200

Mandal, S.
see Ojha, C. S. P., HY Aug. 01, p694-700

Matos, Jorge
disc. (of Characteristics of Skimming Flow over Stepped Spillways, by M. R. Chamani and N. Rajaratnam, HY Apr. 99, p361-368), HY Nov. 00, p865-869
disc. (of Onset of Skimming Flow on Stepped Spillways, by M. R. Chamani and N. Rajaratnam, HY Sept. 99, p969-971), HY June 01, p519-521

Matthews, B. W.
Computations of Curved Free Surface Water Flow on Spiral Concentrators, with C. A. J. Fletcher, A. C. Partridge and S. Vasquez, HY Nov. 99, p1126-1139
disc: Fabián A. Bombardelli, C. William Hirt and Marcelo H. García, HY July 01, p629-631
clo: HY July 01, p631

Mawer, Nicola
see Weber, Larry J., HY May 01, p340-350

Maynord, Stephen T.
see Gaines, Roger A., HY May 01, p335-338

Mazurek, K. A.
Scour of Cohesive Soil by Submerged Circular Turbulent Impinging Jets, with N. Rajaratnam and D. C. Sego, HY July 01, p598-606

McAnally, William H., Jr.
see Parchure, Trimbak M., HY July 01, p577-587

McEwan, Ian
Discrete Particle Modeling of Entrainment from Flat Uniformly Sized Sediment Beds, with John Heald, HY July 01, p588-597
see Nikora, Vladimir, HY Feb. 01, p123-133

McInnis, Duncan A.
see Axworthy, David H., HY Apr. 00, p276-287

Melville, Bruce W.
see Coleman, Stephen E., HY July 01, p535-546
see Lauchlan, Christine S., HY May 01, p412-418

Miller, Julianne J.
see French, Richard H., HY Sept. 01, p780-782

Miller, K. F.
see Urban, A. L., HY Oct. 01, p848-859

Mingham, C. G.
see Causon, D. M., HY Oct. 99, p1039-1050

Ming-zhong, Yu
see Dian-chang, Wang, (disc), HY July 00, p525-532

Molinas, Albert
see Wu, Baosheng, HY Aug. 01, p657-662

Mpesha, Witness
Leak Detection in Pipes by Frequency Response Method, with Sarah L. Gassman and M. Hanif Chaudhry, HY Feb. 01, p134-147

Muramoto, Y.
see Nagata, N., HY Apr. 00, p243-252

Muste, M.
disc. (of Regression Residuals and Mean Profiles in Uniform Open-Channel Flows, by D. A. Lyn, HY Jan. 00, p14-32), HY Aug. 01, p703-705

Nagata, N.
Numerical Analysis of River Channel Processes with Bank Erosion, with T. Hosoda and Y. Muramoto, HY Apr. 00, p243-252
disc: Jennifer G. Duan, HY Aug. 01, p702-703

Nakato, Tatsuaki
see Ansar, Matahel, HY Oct. 01, p825-834

Neary, V. S.
Sediment Transport in Proposed Geomorphic Channel for Napa River, with S. A. Wright and P. Bereciartua, HY Nov. 01, p901-910

Neary, Vincent
Hydrology and Hydraulic Systems, 2nd Ed. by Ram. S. Gupta, HY Oct. 01, p891-892

Nelson, Jonathan M.
Roughness Characteristics of New Zealand Rivers by D. M. Hicks and P. D. Mason, HY June 01, p526-527

Nie, Meng-Xi
Cavitation Prevention with Roughened Surface, HY Oct. 01, p878-880

Nielsen, Kevin
see Finnie, John, HY Dec. 01, p1052-1064

Nikora, Vladimir
Simulation and Identification of Organized Structures in Flows, edited by J.N. Sorenson, E. J. Hopfinger, and N. Aubry, HY Feb. 01, p171-172
Spatially Averaged Open-Channel Flow over Rough Bed, with Derek Goring, Ian McEwan and George Griffiths, HY Feb. 01, p123-133

Noto, L.
DORA Algorithm for Network Flow Models with Improved Stability and Convergence Properties, with T. Tucciarelli, HY May 01, p380-391

Novak, P.
Teaching of Hydraulic Design at University of Newcastle upon Tyne, with E. M. Valentine, HY Dec. 01, p1009-1012

Ohtsu, Iwao
Submerged Hydraulic Jumps below Abrupt Expansions, with Youichi Yasuda and Motoyasu Ishikawa, HY May 99, p492-499
disc: S. David Graber, HY Jan. 01, p84
clo: HY Jan. 01, p84-85
disc. (of Onset of Skimming Flow on Stepped Spillways, by M. R. Chamani and N. Rajaratnam, HY Sept. 99, p969-971) with Youichi Yasuda and Masayuki Takahashi, HY June 01, p522-524

Ohtsu, I.
disc. (of Characteristics of Skimming Flow over Stepped Spillways, by M. R. Chamani and N. Rajaratnam, HY Apr. 99, p361-368) with Y. Yasuda and M. Takahashi, HY Nov. 00, p869-871

Ojha, C. S. P.
Aspects of Inlet Boundary Prescription for a Turbulent Flow Field, with S. Mandal and P. Bhargava, HY Aug. 01, p694-700

Papanicolaou, A. N.
see Hotchkiss, Rollin H., HY Dec. 01, p1036-1040

Parchure, Trimbak M.
Desktop Method for Estimating Vessel-Induced Sediment Suspension, with William H. McAnally, Jr. and Allen M. Teeter, HY July 01, p577-587

Parker, Gary
see Imran, Jasim, HY Nov. 01, p959-968

Parola, A. C.
see Hagerty, D. J., HY July 01, p556-566

Partridge, A. C.
see Matthews, B. W., HY Nov. 99, p1126-1139

Patil, Ramappa G.
Integrating Equation of Gradually Varied Flow, with Vasant N. Diwanji and Rajnikant M. Khatsuria, HY July 01, p624-625

Perugu, Suresh
see Ting, C. K., HY Nov. 01, p969-978

Pezzinga, Giuseppe
disc. (of Extended Thermodynamics Derivation of Energy Dissipation in Unsteady Pipe Flow, by David H. Axworthy, Mohamed S. Ghidaoui and Duncan A. McInnis, HY Apr. 00, p276-287), HY Oct. 01, p888

Porey, Prakash D.
see Tatewar, Sandip P., (disc), HY Apr. 99, p361-368
see Tatewar, Sandip P., (disc), HY Sept. 99, p969-971

Porfiri, K.
see Lane, S. N., HY Oct. 01, p871-877

Rajaratnam, N.
see Chamani, M. R., HY Apr. 99, p361-368
see Chamani, M. R., HY Sept. 99, p969-971
see Mazurek, K. A., HY July 01, p598-606

Raju, K. G. Ranga
see Agarwal, V. C., (disc), HY Dec. 99, p1253-1261

Richards, K. S.
see Bradbrook, K. F., HY May 01, p351-368

Richardson, Everett V.
see Lagaasse, Peter F., HY July 01, p531-533

Roberts, Philip J. W.
Mixing in Stratified Jets, with Karen Maile and Greg Daviero, HY Mar. 01, p194-200
Modeling Mamala Bay Outfall Plumes. I: Near Field, HY June 99, p564-573
disc: R. A. Grace, HY Feb. 01, p159-161
clo: HY Feb. 01, p161-163
Modeling Mamala Bay Outfall Plumes. II: Far Field, HY June 99, p574-583
disc: R. A. Grace, HY Feb. 01, p163-164
clo: HY Feb. 01, p164-166

Roberts, Stephen
see Zoppou, Christopher, HY July 99, p686-695

Roy, A. G.
see Bradbrook, K. F., HY May 01, p351-368

Rutschmann, Peter
see Krüger, Susanne, (disc), HY Oct. 99, p1039-1050

Samuels, Paul G.
see Tang, Xiao-Nan, HY June 99, p610-620

Sana, Ahmad
Review of k—ϵ Model to Analyze Oscillatory Boundary Layers, with Hitoshi Tanaka, HY Sept. 00, p701-710
err: HY Feb. 01, p173

Sanders, Brett F.
Modeling Tidal Transport of Urban Runoff in Channels Using the Finite-Volume Method, with Carrie L. Green, Allyson K. Chu and Stanley B. Grant, HY Oct. 01, p795-804
see Jaffe, David A., HY June 01, p471-479

Savage, Bruce M.
Flow over Ogee Spillway: Physical and Numerical Model Case Study, with Michael C. Johnson, HY Aug. 01, p640-649

Schleiss, Anton
see De Cesare, Giovanni, HY Jan. 01, p6-16

Schohl, Gerald
Pipeflow 2 for Windows by J. Tuach, W. Chojnacki, S. Kulkarni, HY Aug. 01, p706

Schumate, Eric D.
see Weber, Larry J., HY May 01, p340-350

Schwarz, G. E.
see Hubbard, E. F., HY Apr. 01, p250-257

Sego, D. C.
see Mazurek, K. A., HY July 01, p598-606

Seo, Il Won
Moment-Based Calculation of Parameters for the Storage Zone Model for River Dispersion, with Tae Sung Cheong, HY June 01, p453-465
Performance of Tee Diffusers in Shallow Water with Crossflow, with Hong Sik Kim, Daeyoung Yu and Dong Soo Kim, HY Jan. 01, p53-61

Shen, C.
disc. (of Field Techniques for Suspended-Sediment Measurement, by D. G. Wren, B. D. Barkdoll, R. A. Kuhnle and R. W. Derrow, HY Feb. 00, p97-104) with U. Lemmin, HY Sept. 01, p785-786

Shen, Hsieh Wen
Nien Chien: His Life and Recent Book *Mechanics of Sediment Transport*, HY Nov. 01, p895-899
see Wu, Fu-Chun, HY Sept. 99, p934-942

Shieh, Chjeng-Lun
Development and Geometric Similarity of Alluvial Deltas, with Chih-Ming Tseng and Shaohua Marko Hsu, HY Jan. 01, p17-29

Silva-Araya, Walter F.
Unsteady Friction in Rough Pipes, with M. Hanif Chaudhry, HY July 01, p607-618

Singh, Sushil K.
Confined Aquifer Parameters from Temporal Derivative of Drawdowns, HY June 01, p466-470
Identifying Effective Distance to a Recharge Boundary, HY Aug. 01, p689-692
Identifying Impervious Boundary and Aquifer Parameters from Pump-Test Data, HY Apr. 01, p280-285

Singh, Vijay P.
see Deng, Zhi-Qiang, HY Nov. 01, p919-927

Sobey, Rodney J.
Evaluation of Numerical Models of Flood and Tide Propagation in Channels, HY Oct. 01, p805-824

Sotiropoulos, Fotis
New Task Committee on Advanced Environmental-Hydraulics Modeling, with C. Y. Wei, HY Jan. 01, p3-4

Stefan, Heinz G.
see Stefanovic, Dragoslav L., HY Sept. 01, p728-737

Stefanovic, Dragoslav L.
Accurate Two-Dimensional Simulation of Advective-Diffusive-Reactive Transport, with Heinz G. Stefan, HY Sept. 01, p728-737

Stelling, Guus S.
see Busnelli, Marcela M., HY Feb. 01, p105-114

Street, Robert L.
see Zedler, Emily A., HY June 01, p444-452

Sumer, B. Mutlu
Scour around Pile in Combined Waves and Current, with Jørgen Fredsøe, HY May 01, p403-411
Suction Removal of Sediment from between Armor Blocks, with Sevket Cokgor and Jørgen Fredsøe, HY Apr. 01, p293-306

Sun, Hongbing
Case Study: Analysis and Forecasting of Salinity in Apalachicola Bay, Florida, Using Box-Jenkins ARIMA Models, with Manfred Koch, HY Sept. 01, p718-727

Taigbenu, A. E.
Unsaturated-Flow Simulation with Green Element Models, HY Apr. 01, p307-312

Takahashi, M.
see Ohtsu, I., (disc), HY Apr. 99, p361-368

Takahashi, Masayuki
see Ohtsu, Iwao, (disc), HY Sept. 99, p969-971

Tanaka, Hitoshi
see Sana, Ahmad, HY Sept. 00, p701-710

Tang, Xiao-Nan
Volume Conservation in Variable Parameter Muskingum-Cunge Method, with Donald W. Knight and Paul G. Samuels, HY June 99, p610-620
disc: Jean A. Cunge, HY Mar. 01, p239
clo: HY Mar. 01, p239-240

Tatewar, Sandip P.
disc. (of Characteristics of Skimming Flow over Stepped Spillways, by M. R. Chamani and N. Rajaratnam, HY Apr. 99, p361-368) with Ramesh N. Ingle and Prakash D. Porey, HY Nov. 00, p871-872
disc. (of Onset of Skimming Flow on Stepped Spillways, by M. R. Chamani and N. Rajaratnam, HY Sept. 99, p969-971) with Ramesh N. Ingle and Prakash D. Porey, HY June 01, p524

Teeter, Allen M.
see Parchure, Trimbak M., HY July 01, p577-587

Tessier, M.
see Johnson, P. A., HY Sept. 01, p772-778

Thibodeaux, K. G.
see Hubbard, E. F., HY Apr. 01, p250-257

Ting, C. K.
Flume Tests for Scour in Clay at Circular Piers, with Jean-Louis Briaud, H. C. Chen, Rao Gudavalli, Suresh Perugu and Gengsheng Wei, HY Nov. 01, p969-978

Tseng, Chih-Ming
see Shieh, Chjeng-Lun, HY Jan. 01, p17-29

Tseng, Ming-Hseng
Channel Routing in Open-Channel Flows with Surges, with Chiang-An Hsu and Chia R. Chu, HY Feb. 01, p115-122

Tsihrintzis, Vassilios A.
disc. (of Variation of Roughness Coefficients for Unsubmerged and Submerged Vegetation, by Fu-Chun Wu, Hsieh Wen Shen and Yi-Ju Chou, HY Sept. 99, p934-942), HY Mar. 01, p241-244

Tucciarelli, T.
see Noto, L., HY May 01, p380-391

Tullis, Blake P.
Real–World Projects Reinforce Fundamentals in the Classroom, with J. Paul Tullis, HY Dec. 01, p992-995

Tullis, J. Paul
see Tullis, Blake P., HY Dec. 01, p992-995

Uijttewaal, W. S. J.
Exchange Processes between a River and Its Groyne Fields: Model Experiments, with D. Lehmann and A. van Mazijk, HY Nov. 01, p928-936

Urban, A. L.
Field Experiments to Determine Gas Transfer at Gated Sills, with S. L. Hettiarachchi, K. F. Miller, G. P. Kincaid and J. S. Gulliver, HY Oct. 01, p848-859

Valentine, E. M.
see Novak, P., HY Dec. 01, p1009-1012

Valentine, Eric M.
Open-Channel Flow by Subhash C. Jain, HY Sept. 01, p788

van Mazijk, A.
see Uijttewaal, W. S. J., HY Nov. 01, p928-936

Vasquez, S.
see Matthews, B. W., HY Nov. 99, p1126-1139

Wahl, Tony L., P.E.
Hydraulic Performance of Coanda-Effect Screens, HY June 01, p480-488

Wang, Sam S. Y.
see Jia, Yafei, HY Mar. 01, p219-229
see Wu, Weiming, HY Dec. 99, p1309-1312

Ward, Tim J.
Mudflow Rheology and Dynamics, by Philippe Coussot, HY Apr. 01, p331-332

Webber, Larry J.
The Hydraulics of Open Channel Flow: An Introduction, by Hubert Chanson, HY Mar. 01, p246-247

Webby, M. Grant
disc. (of Catastrophic Collapse of Water Supply Reservoirs in Urban Areas, by Christopher Zoppou and Stephen Roberts, HY July 99, p686-695), HY Mar. 01, p240-241
disc. (of Modeling of Mud/Debris Unsteady Flows, by Ming Jin and D. L. Fread, HY Aug. 99, p827-834), HY Feb. 01, p166-167

Weber, Larry J.
Experiments on Flow at a 90° Open-Channel Junction, with Eric D. Schumate and Nicola Mawer, HY May 01, p340-350

Webster, I. T.
see Condie, S. A., HY Apr. 01, p286-292

Wei, C. Y.
see Sotiropoulos, Fotis, HY Jan. 01, p3-4

Wei, Gengsheng
see Ting, C. K., HY Nov. 01, p969-978

Weiss, Peter T.
What Do Students Need in Hydraulic Design Projects?, with John S. Gulliver, HY Dec. 01, p984-991

Wörman, Anders
Stochastic Analysis of Internal Erosion in Soil Structures—Implications for Risk Assessments, with Shulan Xu, HY May 01, p419-428

Wren, D. G.
Field Techniques for Suspended-Sediment Measurement, with B. D. Barkdoll, R. A. Kuhnle and R. W. Derrow, HY Feb. 00, p97-104
disc: Dilip K. Barua, HY Sept. 01, p784-785
disc: C. Shen and U. Lemmin, HY Sept. 01, p785-786
clo: HY Sept. 01, p787

Wright, S. A.
see Neary, V. S., HY Nov. 01, p901-910

Wu, Baosheng
Choked Flows through Short Contractions, with Albert Molinas, HY Aug. 01, p657-662

Wu, Fu-Chun
Variation of Roughness Coefficients for Unsubmerged and Submerged Vegetation, with Hsieh Wen Shen and Yi-Ju Chou, HY Sept. 99, p934-942
disc: Vassilios A. Tsihrintzis, HY Mar. 01, p241-244
clo: HY Mar. 01, p244-245

Wu, Weiming
Movable Bed Roughness in Alluvial Rivers, with Sam S. Y. Wang, HY Dec. 99, p1309-1312
disc: Willi H. Hager and Giuseppe Del Giudice, HY July 01, p627-628
clo: HY July 01, p628-629

Xia, L. P.
see Lam, K. M., HY May 01, p369-379

Xing-kui, Wang
see Dian-chang, Wang, (disc), HY July 00, p525-532

Xu, Shulan
see Wörman, Anders, HY May 01, p419-428

Yang, J. C.
see Lien, H. C., HY Oct. 99, p1097-1108

Yang, Kai-lin
Practical Method to Prevent Liquid-Column Separation, HY July 01, p620-623

Yasuda, Y.
see Ohtsu, I., (disc), HY Apr. 99, p361-368

Yasuda, Youichi
see Ohtsu, Iwao, HY May 99, p492-499
see Ohtsu, Iwao, (disc), HY Sept. 99, p969-971

Yeh, K. C.
see Lien, H. C., HY Oct. 99, p1097-1108

Yu, Daeyoung
see Seo, Il Won, HY Jan. 01, p53-61

Zanuttigh, Barbara
Dam-Break Waves in Power-Law Channel Section, with Alberto Lamberti, HY Apr. 01, p322-326

Zedler, Emily A.
Large-Eddy Simulation of Sediment Transport: Currents over Ripples, with Robert L. Street, HY June 01, p444-452

Zhang, Q. Y.
Hydraulic Characteristics of Multistage Orifice Tunnels, with B. Q. Chai, HY Aug. 01, p663-668

Zoppou, Christopher
Catastrophic Collapse of Water Supply Reservoirs in Urban Areas, with Stephen Roberts, HY July 99, p686-695
disc: M. Grant Webby, HY Mar. 01, p240-241
clo: HY Mar. 01, p241